



*The*

# CHEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 17, 1949

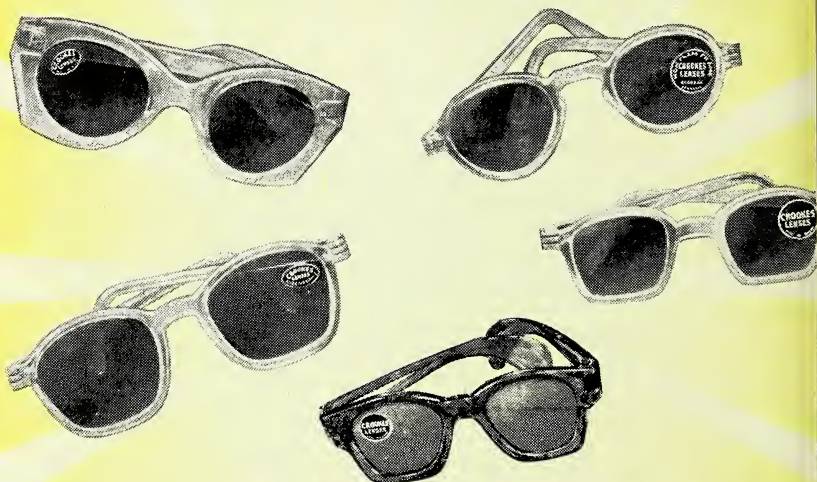
A CHRISTMAS GREETING

FROM

*Burgoyne Burbidges*

**BURGOYNE BURBIDGES**  
Established 1741. & COMPANY LIMITED, LONDON, E.6

*Popular & Fast Selling*  
**SUNGLASSES**  
*75 styles for 1950!*  
*Retailing from 8' to 2gns.*

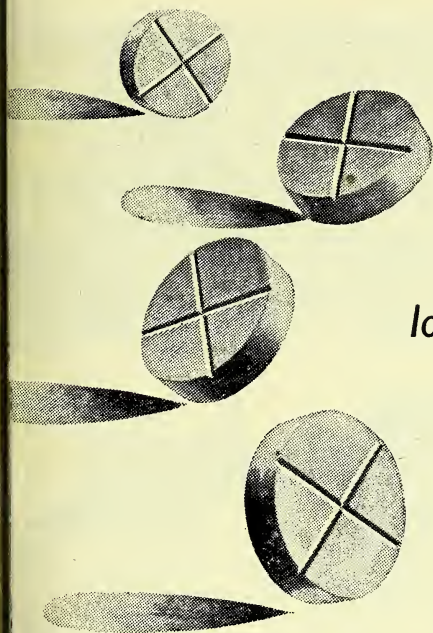


The new 1950 range of Bartlett Sunglasses consists of popular and fast selling modern styles that are priced right to bring you quick and profitable results — truly it is the most complete assortment yet offered to the trade!

Before buying your Sunglasses for 1950 be sure to consider carefully this outstanding Bartlett range. Order from your wholesaler.

Wholesale enquiries to

**ALFRED FRANKS & BARTLETT CO., LTD.**  
AUDREY HOUSE, ELY PLACE, LONDON, E.C.



*looking forward to*  
**CHILBLAIN  
 TIME ?**

Active anticipation of the wintry weather can make the future a great deal brighter for those of your customers who are inveterate chilblain sufferers. Started now, a daily routine of four Ostocalcium Tablets will make an essential contribution towards the healthy capillary circulation so vital in avoiding chilblains. The Ostocalcium formula takes full account of the need for vitamin D in calcium therapy, each tablet containing 400 units of the vitamin with 125 milligrams of calcium. When replenishing your stocks, order Ostocalcium in Glaxo Standard Parcels. That way you get 33 1/3% discount — and the parcels are delivered direct from Greenford, carriage paid.

GLAXO

**OSTOCALCIUM TABLETS**

Bottles of 50, 2/10 inc. tax. Tins of 100, 5/- inc. tax.

Parcel No. 1. 2 doz. x 50 tablets £1. 16. 0 p/us 12/- tax

Parcel No. 2. 1 doz. x 100 tablets £1. 12. 0 plus 13/6 tax

**GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRON 3434**



# 'BENYLIN'

## *Expectorant*

In 4, 16 and 80 fl. oz. bottles.

M.R.P. (Including P.T.): 3/8d.,  
11/7½d. and 55/-.



The ability of 'Benadryl' to relieve the cough and other distressing symptoms associated with the "common cold" represents still another clinical application of this remarkably versatile drug. The value of 'Benadryl' in controlling these symptoms is connected with its antispasmodic and bronchodilator properties.

In 'Benylin' Expectorant, 'Benadryl' is combined with proved expectorants in a raspberry-flavoured syrup, which is readily acceptable to both children and adults.

'Benylin' Expectorant not only relieves coughs, but is also effective in alleviating nasal stuffiness, sneezing, lachrymation and bronchial congestion.

**P.A.T.A.**

*Dosage: Adults: 1-2 teaspoonfuls.*

*Children: ½-1 teaspoonful.*

*Each fluid ounce contains:*

'Benadryl' .....	80 mg
Ammonium chloride .....	12 g
Sodium citrate .....	5 g
Chloroform .....	1½ mi
Menthol .....	1/10

**PARKE, DAVIS & COMPANY**

H O U N S L O W , M I D D L E S E X

Telephone: Hounslow 2361 (11 lines).

Inc. U.S.A., Liability Ltd.



**Sell more of the 'Most famous  
Throat Pastilles in the world'  
through these sales aids**



The public know and appreciate Evans Throat Pastilles as a certain relief for coughs, colds, sore throat and huskiness. The market is growing. Cash in on the larger demand this winter. These displays will help to lift the seasonal sales to new records. Be ready with adequate stocks. Display matter as illustrated supplied free.

**EVANS**

**THROAT PASTILLES**

**EVANS MEDICAL SUPPLIES LTD**

LIVERPOOL AND LONDON

When advice on

# *Contraception*

is necessary or desirable

It is always wise to prescribe

## ★ RENDELLS PRODUCTS

Based on clinical and biological experience and conforming to the same standard of spermicidal efficacy as required by the Family Planning Association, Rendells Products can always be recommended with full confidence.

The complete range of chemical contraceptives now available gives a wide scope in selecting the best method suited to individual requirements.

RENDELLS PESSARIES

RENDELL GELS

RENDELL - CREAM

RENDELL - FOAM

*\* Our latest chemists' advertising material is available upon request*

## W. J. RENDELL LIMITED

Manufacturing Chemists

161/165 ROSEBURY AVENUE, LONDON, E.C.

Also at: SYDNEY (AUS.), WELLINGTON (N.Z.), RIO DE JANEIRO, PA

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## DEHYDROCHOLIN B.D.H.

powerful, non-toxic choleretic

considerable interest for its effectiveness in the treatment of 'liverish' and 'bilious' conditions. Active propaganda to medical practitioners coupled with a current rise in the incidence of such conditions makes it worth while to carry adequate stocks.



Tablets of 0.25 gramme dehydrocholic acid

	TRADE	RETAIL
Bottles of 20	3/4	5/-
Bottles of 100	15/-	22/6

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Dhyd/T/1



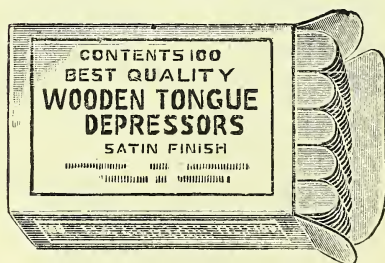
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# IT'S CHEAPER TO BUY QUALITY

For over 50 years we have specialised in the manufacture of Chemists' sundries. All leading wholesalers stock our Products, if not apply to us direct.



## WOODEN TONGUE DEPRESSORS

Well made and with a super-satin finish and smartly packed in boxes of 100. Price 3/6 per box. also Wood Applicators packed in boxes of 72 dozen. Price 7/6 per box.

SPECIAL TERMS QUOTED FOR CONTRACT ORDERS

## MENTHOL SNUFF

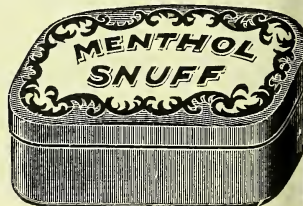
A fine quality product of superior strength. Packed in neat hinged-lid tins in display boxes of one dozen tins.

Price 6/- per doz. (Tax included).

# M. J. FECHER, LTD.

121 HIGH ST. SLOUGH, BUCKS.

ESTABLISHED 1891



SLOUGH 21

# DISPLAY *sells* *more—and* **MORE !**

*Send for New display material  
for*

**PHENSIC  
CASSELL'S  
VENO'S  
GERMOLENE  
GERMOLOIDS**



These profitable family favourites sell more quickly over the counter when they are displayed for all to see. Seeing is buying! Showman-  
simplifies salesmanship! So please let us keep you right up-to-date with  
display material. Write today for a full set. DIRECT terms for the VENO  
products are: Combined orders amounting to £3 and upwards from qualified  
chemists will be subject to 10% for display co-operation in addition to our usual  
discount for monthly account.

NO DRUG CO. LTD. ST. HELENS, LANCASHIRE



# TODAY'S SALES SUCCESSES

## CATARRH AND BRONCHIAL SYRUP

*Extremely Efficacious*

4 oz. bottles  
cartoned **9/9**d. per doz.

## BRONCHIAL MIXTURE

*Made to a sound formula*

6 oz. bottles **9/3**d. per doz.



## NAZALGENE Brand INHALANT

*A First class production*

Bottles **12/-** per doz.

## CHEST VAPOUR RUB

Pots **7/6**d. per doz.

## TONSILLITIS & SORE THROAT TABLETS

25's **5/3**d. 50's **8/6**d. per doz.

★ *All above subject to 33 $\frac{1}{3}$ % P. Tax*

# ARTHUR H. COX & CO. LTD.

Manufacturing Chemists

BRIGHTON, SUSSEX



# *An Effective Antacid— Alocol Cream*



THE recent successful introduction of Alocol Cream provides, with Alocol Powder and Alocol Tablets, three convenient ways of administering Colloidal Aluminium Hydroxide to meet every condition and preference.

Alocol Cream does not separate and can thus be used in an eminently clean, hygienic and pleasant manner. It has a delightful peppermint flavour which is acceptable to everyone.

Equally with Alocol Powder and Tablets, Alocol Cream is a most effective antacid for the neutralization of hyperacidity in the treatment of dyspepsia, peptic ulcer and other conditions which irritate the gastric tract.

**ALOCOL Cream—  
like Alocol Powder and Tablets—  
has these advantages:—**

- Owing to its high reactivity it quickly neutralizes excess acidity.
- It has a reserve of neutralizing power and can thus control for a prolonged period the gastric acidity at the level most conducive to healing.
- It does not produce alkalization or a condition of alkalosis.

Alocol Cream is supplied in bottles of 9, 40 and 80 fl. oz.

On the

**PATA**

#### Retail Prices :

9 oz.	- -	3/9
40 oz.	- -	15/4
80 oz.	- -	27/9

#### Trade Prices :

9 oz.	-	33/9 doz.
40 oz.	-	11/6 each
80 oz.	-	20/10 each

A. WANDER LTD., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1.  
Laboratories, Farms and Factory: King's Langley, Herts.



GOYA · 161 NEW BOND STREET · LONDON W1

*For oral administration . . .*

## **“CALCIUM-SANDOZ”**

is supplied in  
two very palatable forms

### **CHOCOLATE TABLETS**

( $12\frac{1}{2}$  grains calcium gluconate)

Boxes of 60 Tablets

Dispensing Size: Tins of 1,000 Tablets

### **EFFERVESCENT TABLETS**

(60 grains calcium gluconate)

Tins of 12 and packages of 60 Tablets

**SANDOZ PRODUCTS LIMITED**

**134 WIGMORE STREET, LONDON, W.1**





**AGAIN AVAILABLE!**



**For safe, pleasant and powerful oral antiseptics.**

Introducing 4 NEW features	
1	Cream and Blue Enamelled Tin.*
2	Counter-Display Outer.
3	Display Card in 4 colours 6½" x 9½"
4	Profitable terms.
Parcels of 48 Tins — Discount of 33⅓% and 5%.	

\* Old style Tins may be returned for exchange.

**SHARP & DOHME LTD., HODDESDON, HERTS.**



PROPRIETARIES  
SUNDRIES DRUGS  
TABLETS & PILLS

FOR  
CHEMISTS

*Manufacturing  
Chemists*

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*Bright flaming heat=full fire*

DU BARTAS

Just as the power of the oxy-acetylene flame is vital to modern construction, so the power of good printing is essential to modern business. What is more, in good printing, as in welding, so much depends upon the skill and experience of the craftsman. As your ambassador-at-large, wherever it is seen, your printed word must be of the highest standard at all times.

For more than 70 years we have specialised in printing for the pharmaceutical profession, and if you will consult us when you are next planning labels, cartons, showcards, brochures, catalogues, etc., etc., we shall be delighted to place our skill and experience at your disposal.

**THOMAS WAIDE & SONS, LTD.**  
**KIRKSTALL HILL, LEEDS, 5**

*Print Specialists for over 70 years*





## HEWLETT'S TEETHING JELLY

### "TAKES THE TEARS FROM TEETHING TIME"

HEWLETT'S Honey-Sweet TEETHING JELLY is now being advertised extensively in the National and Provincial Press and on the London Transport System. This product is introduced only after careful and extensive research in the laboratories of the House of Hewlett, in the confidence that it is by far the most handy, pleasant and effective method of soothing infants' gums during Teething Time, yet devised.

Cost 12/- per doz., plus P. Tax 4/- Retail 1/10 per tube.

*These prices apply in the United Kingdom only.*

### C. J. HEWLETT & SON, LTD.

*Manufacturing Chemists*

35-43 Charlotte Road, LONDON, E.C.  
and at GLASGOW

*It's an* **EDME** *product*

# BEVAREX

*A nourishing and sustaining*

## MALT FOOD BEVERAGE

*of OUTSTANDING merit*

Retails at 1/8 per 6 oz. tin

Wholesale 13/6 doz.



**EDME LTD., IMPERIAL HOUSE, REGENT STREET, V**

Telephone: REGent 5563-4

Grams: "EDME," Piccy, London

Works: MISTLEY, E





# Free trip to New York and back!

KENT-COSBY "ALLURE" PERFUME HAIRBRUSH COMPETITION

## IMPORTANT NOTICE

WE ARE RECEIVING A GREAT NUMBER OF LETTERS FROM THE GENERAL PUBLIC STATING THAT THEY ARE UNABLE TO OBTAIN EITHER INFORMATION OR ENTRY FORM LEAFLETS FROM THE MAILER FOR THIS NATIONALLY ADVERTISED COMPETITION ON THE "ALLURE" PERFUME HAIRBRUSH. A SUPPLY OF ENTRY FORM LEAFLETS AND A SPECIAL SHOWCARD ARE IMMEDIATELY AVAILABLE, SO PLEASE MAKE USE OF THE SPECIAL ORDER FORM BELOW.

Advertisements are appearing in "Woman," "Picture Post," "Queen," "News of the World," "Sunday Express," "Daily Mirror," etc. and by cards on all London Underground Tube trains which approximately 520,000,000 people from London and the Provinces travel yearly.

Full advantage of this National Advertising Agency the Special Showcard in your window keeping a supply of Entry Form Leaflets on counter to back up your display of "Allure" Hairbrushes.

Now, more than ever, the "Allure" Perfume Hairbrush becomes the ideal Christmas Gift Line —The Finest Hairbrush in the World PLUS the chance of winning a "Free Trip to New York and Back" for two people and £50 in cash.

**THERE ARE FIFTY OTHER PRIZES OF VOUCHERS VALUE £2 EACH FOR KENT'S WORLD FAMOUS BRUSHES.**

The competition opened on November 1st and closes on February 28th, 1950. It is open to both Men and Women.

**£50 CASH PRIZE FOR RETAILER WHO SELLS THE "ALLURE" BRUSH TO THE WINNER OF THE FIRST PRIZE.**

### ORDER FORM FOR APPROVED ACCOUNTS

to: Messrs. G. B. Kent & Sons, Ltd.,  
24 Old Bond Street, London, W.1.

Please supply.....ENTRY FORM LEAFLETS  
.....SPECIAL SHOWCARD

Kent-Cosby "Allure" Perfume Hairbrushes.

Please supply: .....Pink.....Blue.....Green  
.....Ivory.....Allure Perfume Essence

Name .....  
Address .....  
.....  
.....

(Block Letters Please)

**G. B. KENT & SONS LTD., 24 OLD BOND STREET, LONDON, W.1.**

# The shampoo to recommend

*for the new  
Short Cut*

Bristow's Lanolin Shampoo with its abundant lather leaves the hair gleaming, vital and *immediately obedient*—three essentials to the sleek look of to-day's short cut.

Women are constantly reading these topical selling points in our large space advertising. Recommendations by hair stylists and 'home perm' manufacturers create yet more sales.

Are you prepared for the inevitable increasing demand? Order more today and show Bristow's Lanolin Shampoo on your counter . . . in your windows.



## Bristow's LANOLIN SHAMPOO

### TRADE TERMS :

HANDY TUBE : 6/8 a dozen plus purchase tax @ 33½%, to retail at 1/-.

STANDARD TUBE : 11/6 a dozen plus purchase tax @ 33½%, to retail at 1/9.



## *Intravenous Anaesthesia with* **'KEMITHAL' SODIUM**

WHEREVER an intravenous anaesthetic is indicated, 'Kemithal' Sodium can be used with advantage. Both for induction and for surgical anaesthesia of short or prolonged duration it has proved to be a highly efficient and satisfactory agent, with the advantage of a relatively high therapeutic quotient. Induction is smooth and uneventful, and undue respiratory depression does not occur. Recovery is rapid and the post-operative condition is free from vomiting, restlessness and protracted depression.

*Issued in ampoules of 1 gramme and 2 grammes in boxes of 5 and 25 together with sterile distilled water in 10 c.c. and 20 c.c. ampoules respectively, also 5 gramme ampoules of 'Kemithal' Sodium in boxes of 5.*

From your wholesaler or, in case of difficulty, apply to your nearest I.C.I. Sales Office—London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublin.



**IMPERIAL CHEMICAL [PHARMACEUTICALS] LIMITED**

*(A subsidiary company of Imperial Chemical Industries Limited)*

**WILMSLOW,**

**MANCHESTER**



Ph.476



For NASAL and OPHTHALMIC  
DECONGESTION

# PRIVINE

(2-(naphthyl-methyl)-imidazoline nitrate)

*It possesses the following advantages*

- effects rapid in onset and prolonged
- high potency—effective in low concentration
- low toxicity also non-irritant
- chemically distinct from all other vasoconstrictors
- aqueous isotonic buffered solution
- compatible with other medicaments

1 : 2000 Solution is normally adequate;  $\frac{1}{2}$  fl. oz. 3/6 : 4 fl. ozs. 20/- : 20 fl. ozs. 80/-. 1 : 1000 Solution produces intense vasoconstriction, often required in E.N.T. Surgery;  $\frac{1}{2}$  fl. oz. 4/3 : 4 fl. ozs. 24/- : 20 fl. ozs. 96/-

*Retail Discount 33 $\frac{1}{3}$ % : Exempt Purchase Tax*  
(“Privine” is a registered Trade Mark)

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Telephone : Horsham 1234

Telegrams : Cibalabs, Horsham



SUPPLIED FREE  
WITH EVERY  
ORDER FOR 1  
DOZEN. NONEED  
TO APPLY FOR IT

# This display is earning chemists 11/8 a week

THIS new display card for Addis '88' measures only  $5\frac{3}{4}'' \times 4\frac{3}{4}''$ , but it does a big job for chemists who use it. It puts the powerful advertising campaign for Addis '88' in *Radio Times* and *News of the World* to work for you. With its aid many small chemists are selling a dozen

of these very attractive brushes a week—and that means 11/8d. profit. No other denture brush is nationally advertised. No other denture brush shows such a generous profit. It's the most popular brush and the most profitable brush. Price 23/4d. a dozen plus P.T., to sell at 3/6d. each (incl. 33 $\frac{1}{3}$ % P.T.).

# Addis 88

THE ONLY NATIONALLY  
ADVERTISED DENTURE  
BRUSH

MADE BY ADDIS LIMITED, HERTFORD. MAKERS OF THE FIRST TOOTHBRUSH IN 1780

C

# A Seasonal Reminder—



FOR A LIMITED PERIOD—  
13 TO THE DOZEN



**PRIORITY LABORATORIES LIMITED**  
PYRAMID WORKS, WEST DRAYTON, MIDDLESEX, ENGLAND

- ★ Increasing medical propaganda.
- ★ Increasing medical publicity during the Winter Season will bring increasing demands for—

## AKROTHERM OINTMENT—Non-greasy

A rational and effective local treatment for

### Chilblains

Attractive counter display  
outlets of 1 doz.  
tubes are now available

Tubes (22 gm.) retail  
2/6 including tax.  
½ lb. jars for dispensing retail 10/-.

Medical literature  
on request


# Strong flexible teeth



This is the comb with the roundest, strongest, most flexible teeth of all, sawcut from genuine Vulcanite. Appeals instantly to the discriminating and the value-conscious comb-buyer, livelier, stronger, smoother.

Combs illustrated are Gen's Dressing 1297/7 and Bobette 2287/5.

Many other popular lines are available. Send for illustrated list. Order through your wholesaler.

**NORTH BRITISH**  
*Vulcanite*  *Combs*  
BETTER FOR THE HAIR

THE NORTH BRITISH RUBBER CO. LTD., EDINBURGH, LONDON AND BRANCH





**'GENATOSAN' Wintergreen and Menthol  
and Wintergreen Creams**

**CONTINUE TO BE AVAILABLE ON  
BONUS TERMS**

13 to the dozen on minimum orders of 3 dozen.  
Any pack detailed below may be included for  
Bonus (in multiples of 1 dozen)

	SIZE	Retail Price (inclg. tax)	Trade Price per doz.
WINTERGREEN CREAM	2-oz.	2/2½d.	14/-
	4-oz.	4/1½d.	27/-
MENTHOL & WINTERGREEN CREAM	1-oz. tube	1/10d.	12/-
	2-oz.	2/9d.	18/-
	4-oz.	4/1½d.	27/-

**USUAL PARCEL DISCOUNT ALSO APPLIES**

Orders and enquiries should be addressed to:

**B C B**

British Chemicals & Biologicals Ltd.,

Loughborough, Leics.

Telephone: Loughborough 2292

**THERE'S THE RUB!**



The special 'Genatosan' base ensures faster relief from muscular pain. It is so effective that it sells again and again.

'GENATOSAN' Wintergreen Creams are preferred because they are non-greasy and do not stain clothes or linen.





ESTABLISHED  
1904

*Specialists*  
in the manufacture  
of  
**Tablets**  
and  
**Pills**

45 years' of Specialised  
Manufacturing Experience  
assure you of

## QUALITY and ACCURACY

**PACKED TABLETS**, supplied in the usual sizes with Chemist's Own Name Labels if desired. Specimen Label designs sent on request.

**BULK TABLETS**, including NF lines, supplied in convenient quantities from 100 upwards.

**SACCHARIN TABLETS**, in packets of 100 or in bulk.

*The*  
**Cooper Laboratory**  
*Watford*

Telephone :  
3612

Telegrams :  
" Science "

# DISPRIN

NEUTRAL SOLUBLE ASPIRIN

Non-acid, non-irritant and palatable

**SHOWCARDS** **CARTONS & BOXES** **DISPLAYS**

PRINTED OR PLAIN  
OF EVERY KIND, FOR EVERY PURPOSE

**CARTON BOX & PRINTING CO. LTD**

BRINKSWAY, STOCKPORT

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**TRANSPARENT BOXES**

# MILLAMALT

Sole Manufacturers: **JEFFREYS, MILLER & CO. LTD** (A6500 I.U., D400)  
Leyland Mills, Wigan. London Dept. 19 Brookside Rd. N 1 I.U. PER FL. OZ.



Malt Extract with  
added Natural Vitamin

*Manufacturers of* **TANNIC ACID** (Bulk Supplies Only)  
**ALL QUALITIES**

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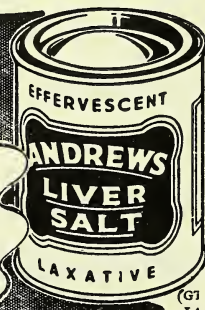
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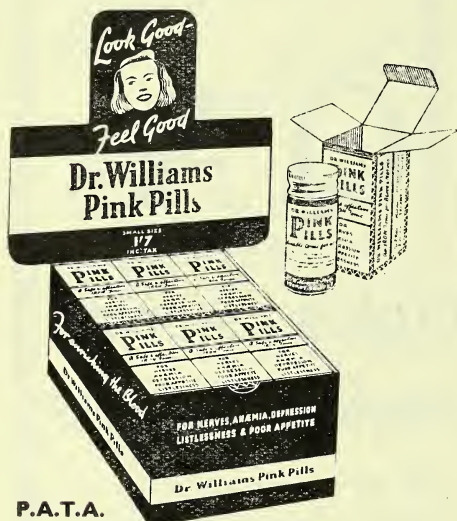
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for RETAILER—WHOLESALE—MANUFACTURER

DECEMBER 17, 1949

**Published weekly at 28 Essex Street, Strand, London, W.C.2**

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## NEWS OF THE WEEK

**Restoration of D.D. Authorities.**—The Home Secretary has restored to Malcolm Andrew Graham-Yooll, M.B., Ch.B., the authorities which were withdrawn from him in September 1947.

**Casein Licence-free.**—Casein is to revert to private trade on January 2, 1950. The Board of Trade announces that licences to acquire and dispose of acid or citric casein will not be required after that date (S.I., 1940, No. 2295).

**Poliomyelitis Order.**—The Public Health (Acute Poliomyelitis, Acute Encephalitis and Meningococcal Infection) Regulations, 1949 (S.I. 1940, No. 2250) issued by the Ministry of Health, introduces nomenclature consistent with the international standard classification of diseases which will be brought into general use on January 1, 1950, and slightly extends the scope of clinical conditions notifiable under the head of acute encephalitis.

**Guide to Raw Materials.**—Details of nearly 400 imported raw materials are contained in a new edition of "Raw Materials Guide" published by H.M. Stationery

Office for the Board of Trade, price 1s. 6d. This seventy-five-page guide lists the main uses for each raw material together with the chief sources of supply for the United Kingdom and gives information about import and export licence.

**Officers Appointed.**—At the annual meeting of the British Colour Makers' Association held on November 2, the following officers and Council were elected:—*Chairman*, Mr. J. H. Grimshaw; *Vice-chairman*, Mr. H. Gosling; *Treasurer*, Mr. C. G. A. Cowan; *Council*: Messrs. H. A. Wilson, C. E. Young, C. M. Beavis, F. Burrell, H. Gosling, J. H. Grimshaw, Dr. H. Samuels and Mr. V. Watson; *Secretary*, Mr. Allan J. Holden, 166 Piccadilly, London, W.1.

**Minister Among Medical Officers.**—At the annual dinner of the Society of Medical Officers of Health, held in London recently, the principal guest was Mr. Aneurin Bevan (Minister of Health). Mr. Bevan said it was practically certain that his period of office as Minister was almost ended. He believed that the past four-and-

a-half years had been the most fertile in the history of public health in Britain. As the years went by he was confident that the people would begin to wonder how they had lived without the National Health Service.

**Cortisone Research Grants.**—Grants made by the Nuffield Foundation for research on the synthesis of Cortisone and related work (see also *C. & D.*, December 3, p. 752) include £5,000 to the Chemical Laboratory, Cambridge (for work under Professor A. R. Todd, F.R.S., on the synthesis of peptides, etc.), up to £11,000 to the School of Biochemistry, Cambridge (for work under Professor F. G. Young, F.R.S., on pituitary adrenocorticotrophic hormones); and £2,000 to the Technical College, Glasgow (for work under Professor F. S. Spring on the synthesis of Cortisone and related compounds).

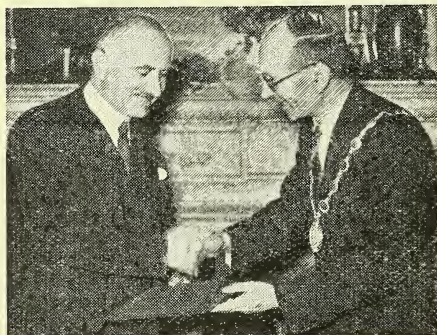
**Aureomycin and Chloromycetin.** — Supplies of aureomycin and chloromycetin are now available for use in Scotland. Both drugs will be restricted as in England (see *C. & D.*, November 19, p. 684) to those conditions which are likely to benefit by their use. Distribution will be made through the following centres:—**INVERNESS:** Medical Superintendent, Raigmore Hospital. **ABERDEEN:** Dr. J. Smith, City Hospital. **DUNDEE:** Dr. William Jamieson, King's Cross Hospital. **EDINBURGH, 4:** Chief Pharmacist, Western General Hospital, Crewe Road. **GLASGOW:** Chief Pharmacist, Central Pharmaceutical Store, 112 Ingram Street.

**Presentation to Dr. Brook.**—An illuminated address signed by the officers and members of the Chemists Federation Council was presented to Dr. S. Brook, D.I.C. (managing director, Westminster Laboratories, Ltd.) at a luncheon given in his

honour on December 8 for services rendered to the C.F. movement since its inception and to mark his retirement from Council. In proposing the toast to Brook, Mr. P. H. Smith, B.Sc. (president) extended a specially warm welcome to Brook. He recalled the early history of the C.F. movement, and reminded the present that in these days of control was more than ever necessary to speak with one voice for the pharmaceutical industry as a whole, and that the Federation was the only body connected with industry which was in a position to do that. He thanked Dr. Brook and his associates for their foresight, self-sacrifice and energy shown since the movement's inception in 1935 and in the following year. Dr. Brook, in reply, recalled the difficulties encountered in those early days, thanked the president and those present for the honour which they had conferred upon him, and stated that the illuminated address would at all times be one of his most treasured possessions.

**Alcohol and Acetone as Fuel.** — Board of Trade and Ministry of Fuel and Power have jointly issued a statement pointing out that production of methanol and acetone is limited, and that their general use as a petrol substitute could, under existing conditions, only be at the expense of the large number of industrial manufacturers, in limiting supplies for industrial purposes, are acting in accordance with the wishes of the Board of Trade. The Government is reluctant to impose statutory controls, but if production increases sufficiently to promise a worthwhile contribution to the fuel supplies of the country, the Ministry of Fuel and Power would consider bringing the two industries within the scheme of petrol rationing.

**Conversion Factors Standard.** — An addendum has been published to the original British Standard for conversion factors and tables (B.S. 350:1944). The addendum contains additional definite conversion factors, multiples and tables relating to cubic measures, weights, pressure, force concentration, and a set of factors and multiples and a few extended tables for conversion of units of thermal conductivity and conductance, heat flow and viscosity. The index incorporates the definitions, factors, and tables included in the original standard. Copies of the addendum may be obtained from the Institution, 24 Abchurch Lane, London, E.C. 4 (price 2s. 6d. free). (B.S. 350:1944, 5s. post free).





## LOCAL NEWS

**Conference and Dinner.**—The annual five-day sales conference of P. B. Cow Co., Ltd., was held in London recently, was followed by a dinner attended by the directors and representatives.

**Birkenhead Holiday Arrangements.**—Members of the Birkenhead and Wirral Pharmacists' Association are being advised close on December 26 and 27, and January 2, and to remain open all day on December 22. Shops on rota should open for many hours on closing days.

**Isle of Thanet Dinner.**—A dinner organised by the Isle of Thanet Branch of the Pharmaceutical Society at Margate on December 5 was attended by fifty members and guests. Mr. T. Reid (a member of Council) spoke on items of topical interest, mentioning the difficulties likely to be encountered with the shilling levy. Mr. F. Williams, Canterbury, showed his skill in dispensing "items of magic."

**Carboys as Table Decoration.**—Three carboys, each over 3 ft. high and containing coloured water, adorned the top table for the mayor of Fleetwood (Councillor C. F. Whitmore) at the Mayoral Ball at Fleetwood, recently. They belonged to a set of carboys used in the business of James Loftus & Co., Ltd., and were those used by the mayor's father, the late Mr. James Whitmore, who put them in his window for 100 years ago when he established his business in Fleetwood.

**Lecture on Sulphonamides.**—At the December meeting of the Harrogate Branch of the Pharmaceutical Society a lecture on "Medical Applications of Sulphonamides" was followed by an address on the same subject by Dr. E. W. Tapley. The speaker said that four new sulphonamide derivatives had been introduced recently. One of them, Metrosyl, was found to be effective against *Streptococcus faecalis*, and offered possibilities in treatment where other sulphonamides and penicillin were ineffective.

**Manchester Junior Branch Dance.**—About 160 chemists and friends attended a dance organised recently by the Junior Branch of the Manchester Pharmaceutical Association, in aid of the Pharmaceutical Society's Benevolent Fund. Mr. S. Boulton acted as MC, assisted by Messrs. J. Tomlinson and S. Jones. The winning tickets for the annual draw were drawn by Mrs. Melville, wife of Dr. C. Melville (chairman, Junior

Branch), who read out the list of prize-winners. The function enabled the treasurer to send a cheque for £37 to the Benevolent Fund. The Branch has recently formed a dramatic section.

**Bristol Talk on Crime Detection.**—An illustrated address on the work of the forensic laboratories under his charge was given by Mr. E. B. Parkes, M.Sc., F.R.I.C. (director, South-western Forensic Science Laboratories), to members of the Bristol Branch of the Pharmaceutical Society recently. A number of laboratories, fitted with equipment suitable for the examination of a wide range of substances, were opened in 1936, he said. The laboratory staffs now largely replaced the outside experts who were formerly called in as occasion arose. Mr. Parkes went over the scientific steps taken towards the conviction of a particular murderer and also discussed the identification of toxic substances, especially barbiturates.

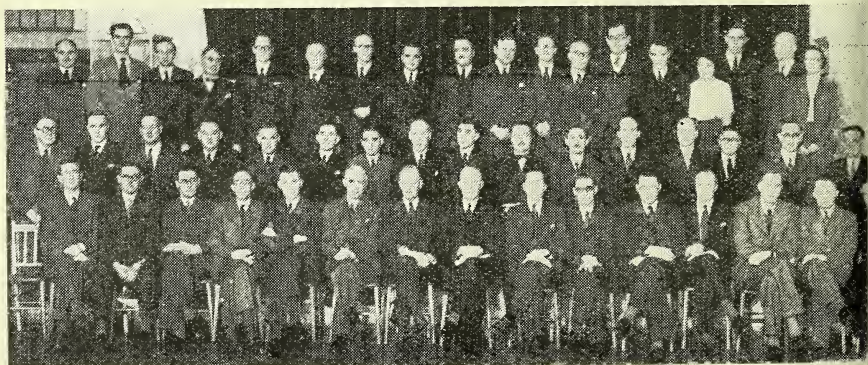
**Dartford Veterinary Lecture.**—Mr. A. Thomson, M.R.C.V.S. (Wellcome Research Laboratories) gave an address to a meeting of the Dartford Branch of the Pharmaceutical Society, recently, entitled "Some Recent Advances in Veterinary Medicine." Although as yet there was no control of the manufacture of veterinary remedies under a Therapeutic Substances Act, he said, progress had been made in the preparation and use of vaccines and sera. Contagious abortion in cattle, for example, had been greatly reduced by immunising young heifers by means of vaccines prepared from avirulent strains of *Brucella abortus*. The use of sulphonamides and penicillin in the treatment of streptococcal bovine mastitis had prevented serious losses. Suspensions of calcium or procaine penicillin in an oily wax vehicle presented in single-dose tubes for injection into the teat canal were of immense value in control of that infection. Lamb dysentery, swine erysipelas, dog distemper and hard pad were among the many animal diseases that could now be treated or prevented with suitable vaccines, serums, etc.

**Durham Branch Meeting.**—At a meeting of the Durham County Branch of the Pharmaceutical Society on December 1, Mrs. J. Gilbert, B.Pharm., M.P.S. (British Chemicals and Biologicals, Ltd.), gave a talk on "Some Recent Advances in Therapeutics." In pernicious anaemia, said Mrs.

Gilbert, treatment had progressed from raw liver to vitamin B<sub>12</sub>, 0.03 mgm. of which supplied the body's daily demand. The speaker listed the advantages and disadvantages, for nutritional purposes, of intravenous administrations of blood, plasma, saline, polysaccharides, glucose, digested protein and amino acids. Streptomycin, she said, had been given with success in certain cases of tuberculosis, but had given rise to resistant forms of bacilli. Solutions of the sodium salt of *p*-aminosalicylic acid had advantages. They could be given at home whilst the patient was waiting to go to hospital. A 20 per cent. solution was now used, usually 18 gm. per day in six doses. When given concurrently with streptomycin it hindered the emergence of resistant types of bacilli. In rheumatoid arthritis, compound E (Cortisone) had been given much publicity, but material for trials in this country was not yet available. Other related substances were being examined. Miss Gilbert dealt briefly also with antihistamines, lachésine (a synthetic compound that "almost replaced" atropine in ophthalmic work), and thiouracil. With these and other advances in therapeutics, she said, the expectancy of life had increased, and more thought had to be given to the diseases of old age.

**N.H.S. Pricing Problems.**—At a meeting of the Portsmouth Chemists' Association on November 24, Miss D. Murgatroyd (superintendent, South-eastern Pricing Office) gave details of the heavy task facing the staffs of pricing bureaux, and suggested ways in which chemists could help in speeding the system. In her

area there were 2,500 chemists sending in an average of 2 million prescriptions each month, making a total of 140 million bags weighing approximately two tons. In January 1948 the South-eastern Office priced 900,000 prescriptions; in January this year, 2,700,000. It was now dealt with June accounts. After describing in detail the passage of an individual bundle of scripts from the mailbag through sorting, checking, and pricing to the final totalling rooms, Miss Murgatroyd complained the difficulties encountered by pricers in deciding what had, in fact, been supplied. Besides the obvious factors such as bad writing, omission of the E.C. 34 and E.C. 38 forms, and errors in counting, delay also arose through omission to state maker and quantity dispensed from bottles or bulk of unusual proprietaries. It was most helpful to the pricer to know the source of supply and the quantity than for the chemist to endorse the amount claimed, as the latter would have to be checked in any case. Another common cause for delay lay in the ambiguity of prescribing by initials. Tabs. A.P.C. was a classic example, and the speaker quoted hours being wasted in searching for the source of supply. "Mist. Clom." only to discover in the end that cod-liver oil and malt was intended. Writing in the cash columns should always be avoided. Inquiries and special communications should not be included with prescriptions. Miss Murgatroyd answered many questions put by members, who, after hearing the speaker, realised that no blame for delay in payment lay with the pricer's staffs who were facing up to a task of extraordinary magnitude.



REPRESENTATIVES' CONFERENCE.—Annual conference of Burroughs Wellcome & Co. home medical representatives at the Wellcome Research Institution, London, December 5-9. Mr. C. Gordon Oakes (managing director, The Wellcome Foundation, Ltd.) presided at a representatives' dinner on December 9.



## TOPICAL REFLECTIONS

### Industries and Universities

Your account of a recent conference of representatives of British industries and British universities (p. 706) throws further light on the relations between these important contributors to contemporary welfare. At this date there is no need to emphasise the value of a close understanding between industrial directors and university boards. At the conference mentioned the ground was thoroughly covered. Education for management, vacation courses, post-graduate courses and means of developing closer contacts among the two parties were some of the subjects discussed. Valuable facts and principles were elicited, as may be expected in any conference convened in this way. One example is the statement that in industry the available number of high positions is small. It follows that salary is not always commensurate with academic distinction. Another dictum worth remembering is that in practice life is too short for an ideal combination of arts and science degree with complete mastery of a technical subject. This latter remark may be more generally applied. There is a limit to the amount of knowledge that can be absorbed in the time allotted to a given curriculum; hence more harm than good may be done by overloading a syllabus with detail. In every curriculum a distinction should be made between subjects essential to a particular degree or diploma and subjects ancillary to it.

### Technological Universities

The relation between pure science and technology has been the subject of a correspondence in "The Times" during the past fortnight or thereabouts. In most of the letters I have not found anything of importance not already generally known. In the issue of December 9, however, Lord Cherwell and Mr. T. Lloyd Humberstone suggested the possibility of establishing technological (or technical) universities. These universities, Lord Cherwell wrote, are not simply like our technical colleges with enlarged facilities . . . many arts subjects are taught in them . . . with the same energy and enthusiasm as in other universities." In his view, the ideal course "is to place a technical university and an ordinary university in close geographical proximity." He added that we must seek to overcome "the snobbish outlook" that a man with an engineering or other tech-

nical degree is inferior to a man with an arts or science degree taken in "an ordinary university." The other correspondent contrasted the grants made by successive Chancellors of the Exchequer to universities with the much smaller grants doled out by them to institutes for technological training. Why should not such institutes, he asked, be regarded as universities and "enjoy the democratic constitution of universities?" He urged that universities of the kind proposed "would be a potent influence for national prosperity and security." These two letters, read in succession, lead to the inference that a new departure on these lines would justify its initial cost: it would not only enlarge the scope of degrees in science but would also relieve the congestion in existing universities, a congestion likely to remain.

### A Festive Dinner

The estimate of the number of chemists and druggists in Great Britain as 35,000 in 1863, mentioned in "Adest's" article on p. 805, was made at "the second annual festival" of the United Society of Chemists and Druggists held at the Freemason's Tavern in London. The speaker was the chairman at the festive dinner, Mr. Western Wood, M.P., a subscriber to the funds of the Society. (The part taken by the Society in shaping the Pharmacy Act of 1868 was referred to in the *C. & D.*, September 10, p. 354). The chairman's remark arose in connection with an attempt to have chemists and druggists exempted from jury-service. He had advocated this exemption in the course of his parliamentary duties; but, he said, "when he mentioned that the number of the trade was over 35,000, he was met with 'Bless me, we cannot do without them. They are intelligent and educated men' . . ." How Mr. Wood arrived at his estimate I do not know: possibly adult assistants were included in the figure. The chairman's speech ended with a toast to the Press; speeches in response were made by Mr. John Hollingshead and the Editor of THE CHEMIST AND DRUGGIST. The function was enlivened, as such functions have been before and since, by impromptu jokes. One subscriber to the funds had, it appeared, signed himself "Salts and Senna." Fun was also made of the fact that the Manchester Express, which should have brought several diners, had broken down.

**Xrayser**



## MARRIAGE

**McKELLAR—HUTCHISON.**—At St. Columba's Parish Church, Largs, on December 7, James McKellar, 22 Finnart Street, Greenock, to Ruby Smith Hutchison, M.P.S., 17 Spalding Drive, Largs.

## DEATHS

**ALLEN.**—On November 30, Mr. William Herbert Allen, Ph.C., 20 Kilburn High Road, London, N.W.6, aged seventy. Mr. Allen qualified as a chemist and druggist in 1902 and passed the Pharmaceutical Chemist examination the following year. He was formerly in practice on his own account for many years at Kilburn, but sold the business in 1945 to H. Prothero, Ltd., whom he continued to assist in the pharmacy.

**ALLISON.**—In May 1949, Mr. John Allison, M.P.S., 139 Withins Lane, Brightmet, Bolton, Lancs. Mr. Allison qualified in 1911.

**DAVIS.**—On November 29, Mr. Bernard Davis, M.P.S., 179 Alum Rock Road, Birmingham 8, aged forty-eight.

**DEAKIN.**—On November 10, Mrs. Blanche Annie Deakin, wife of Mr. W. W. Deakin, M.P.S., Craglands, Creswell Road, Clowne, Chesterfield.

**DUNCAN.**—On November 18, Mr. Charles Tocher Duncan, M.P.S., 24 Linthorpe Road, Stamford Hill, London, N.16, aged seventy-nine.

**GRANT.**—At his home, 13 Otterburn Gardens, Low Fell, co. Durham, suddenly, on November 6, Mr. George Grant, M.P.S., aged fifty-six. Mr. Grant was for many years manager for Timothy Whites & Taylors, Ltd., Clayton Street, Newcastle-on-Tyne.

**HARTNETT.**—At her home, Wyndham, Woodland Park, Blackrock, on November 30, Mrs. Kathleen Hartnett, widow of the late Mr. William J. Hartnett, M.P.S.I., Kenmare, co. Kerry.

**MACPHAIL.**—At Marine Lodge, 38 Waterside, Irvine, Ayrshire, on December 9, Mr. John Macphail, M.P.S. Mr. Macphail qualified in 1910.

**NIGHTINGALE.**—At Carshalton, Surrey, on December 8, Mr. Wilfred Nightingale, M.P.S., 186 Drake Street, Rochdale, aged sixty-one. Mr. Nightingale was, until his retirement in 1948, manager for Boots, Ltd., Yorkshire Street, Rochdale.

**RUXTON.**—Suddenly on December Mr. James Ruxton, 4 Salisbury Place, Arbroath. Mr. Ruxton, who was a native of Arbroath, served his apprenticeship as a chemist with the late Mr. James Whyte, Guthrie Port, and qualified as a chemist and druggist in 1894. After a period in Wiltshire and London, he returned to Arbroath in 1896 to start business on his own account in Keptie Street. He retired in 1934. Mr. Ruxton was a member of the Arbroath Bowling Club. He is survived by two sons and a daughter.

**SINCA.**—On December 3, after a prolonged illness, Mr. Reginald Arthur Sinca, M.P.S., Point View, Herne Bay Road, Tankerton, Kent, aged seventy-one. Mr. Sinca, who qualified in 1901, was a Superintendent Pharmacist, R.N. (retired).

**SLATTER.**—On November 30, Mr. Wilfred Thomas Slatter, M.P.S., 52 Festiniog Grove, Southsea, Portsmouth, aged seventy-two.

**WESTON.**—At Eldoret Hospital, Kenya, on November 15, Mr. Fields Stephen Weston, M.P.S., aged thirty-seven. Mr. Weston, whose address in the register was 1, Egypt Road, Nottingham, flew to Nairobi on October 14 to take up a position with P. Phillips & Co., Ltd. He had previously held posts in Rangoon, Burma, and Salisbury, Southern Rhodesia.

## WILLS

**Mr. J. McCARTHY**, the Medical Officer, Main Street, Kircubbin, co. Down, Northern Ireland, left £5,583.

**Mr. C. HIGHAM**, M.P.S., 98 Rufford Road, Crossens, Southport, Lancs, left £450.

**Mr. J. F. DAVIES**, retired pharmacist, 95 St. Georges Road, Cheltenham, formerly of Marine Parade, Gorleston-on-Sea, Suffolk, formerly in business at Hay, Bucks, left £10,913 (£10,780 net).

**Mr. J. W. GRAY**, M.P.S.N.I., J.P., Upper English Street, Armagh, Northern Ireland, a former president of the Pharmaceutical Society of Northern Ireland, left £13,352.

**H. L. MOND**, second Baron Melchett, 50 Grosvenor Square, London, W.1, formerly deputy-chairman of Imperial Chemical Industries, Ltd., a director of the International Nickel Co. of Canada, Ltd., and other companies, left £96,000 (£34,688 net).

## NEW COMPANIES

**A. MORGAN BROS., LTD. (P.C.).**—Capital £100. To carry on the business of chemists and druggists, etc. Albert Morgan, director. R.O.: 87 Regent Street, London, W.1.

**SPINKS PURE DRUG CO., LTD. (P.C.).**—Capital £10,000. To carry on the business of manufacturing chemists, etc. Arthur L. Spink, M.P.S., and Stanley D. Moore, directors. R.O.: 4 Silver Street, Hull

**ADRENALIN PRODUCTS, LTD. (P.C.).**—Capital £100. To carry on the business of chemists and druggists, manufacturers of pharmaceutical preparations, etc. Ellis Tanning, Thomas F. Collings, Louis Moss and Jack Pitchers, directors. R.O.: 4 New Burlington Street, London, W.1.

**JUDD'S CHEMISTS (MILL HILL), LTD. (P.C.).**—Capital £1,500. To carry on the business of manufacturing chemists, druggists, etc. Phylis A. L. Mond, Emmanuel Kleinman and Harry Judd, directors. R.O.: 148 Elmsmere Road, London, W.10.

**A. R. CROSS (PORTSMOUTH) LTD. (P.C.).**—Capital £25,000. To acquire the business of Leonard Evans, dispensing chemist, at 13 Russell Street, Southsea. Arthur R. Cross, M.P.S., Douglas G. Cross, Thomas N. Booth, M.P.S., Alan W. Dempsey, M.P.S., Cecil H. Foster, M.P.S. and David J. Rees, M.P.S., directors. R.O.: 476 Hertford Road, Enfield, Middlesex.

**BRITISH DRUG HOUSES (NEW ZEALAND), LTD.**—This company, a subsidiary of The British Drug Houses, Ltd., has recently been incorporated in New Zealand, with registered offices and warehouse at 106 Karangahape Road, Auckland. The general manager is Mr. A. Sutton, M.P.S., formerly manager of the medical department at the parent company's premises in London.

## Company News

**ALLEN & HANBURY, LTD.**—Net profit for the year ended June 30, after taxation, amounts to £118,964 against £138,971 in the previous year. Taxation, £132,846 (£202,694). A final ordinary dividend is commended of  $12\frac{1}{2}$  per cent., making  $47\frac{1}{2}$  per cent. for the year, (same as in 1947-48). Provision for additional depreciation, nil (£38,023); to general reserve, 90,000 (£60,000). £27,940 is carried forward, against £27,861 brought in.

## BUSINESS CHANGES

**MR. J. ROBINSON, M.P.S.**, has acquired the business of R. C. Andrews & Co., 3, High Street Hythe, Kent.

**MR. MILTON THOMAS, M.P.S.**, has opened a pharmacy at 127 St. James's Street, Burnley.

**WM. FREEMAN & CO., LTD.**, Subaseal Works, Peel Street, Barnsley, have made the following appointments: Mr. T. L. Garner, M.Sc., technical director and purchasing officer. Mr. A. S. Mills, technical chemist; and Mr. E. J. Collins, technical sales superintendent of the medical and closure division. Mr. Collins has been on the sales side of the company for the past twelve months in the south of England.



Left to right: Messrs. Garner, Collins and Mills.

Mr. Mills has been in the rubber industry since 1918, whilst Mr. Garner, an active member of the Purchasing Officers' Association was elected an Association vice-president in 1948.

**CIBA LABORATORIES LTD.**, Horsham, Sussex, have made the following appointments:—Mr. C. W. S. Taylor, manager, medical department; Mr. C. H. Smith, sales manager; Messrs. J. A. M. Munro, M.P.S., and R. W. Richards, B.Pharm., Ph.C., administrative staff, sales department.

**THE MANCHESTER AND SALFORD (Pricing) BUREAU** has removed to 109 Cheetham Hill Road, Manchester, 8, to which address prescriptions dispensed in Manchester, Salford, Wigan, Warrington and Stockport, should be sent. Claims for rota payment and matters to be dealt with by the Manchester Executive Council should still be forwarded to the Council at Ardwick Town Hall, Manchester, 12.

**MR. A. M. BRYAN, M.P.S.**, has acquired the business of Mr. J. W. Phillips (R. Gledhill), Easthorpe, Mirfield, Yorks.

**PROVINCIAL INCANDESCENT FITTINGS CO., LTD.**, has been granted permission to change its name to Pifco, Ltd.



## PERSONALITIES

MR. JOHN PATON, M.P.S., has been appointed a justice of the peace for Lanarkshire.

MR. W. FRANCIS STEWART, M.P.S., Bathgate, Midlothian, has been elected president of the local Merchants' Association.

MR. A. L. BACHARACH, M.A., F.R.I.C., has been appointed to the editorial board of the "British Journal of Nutrition," the official journal of the Nutrition Society.

MR. ALEC S. JOHNSON, J.P., M.P.S. (managing director, Robert Drane, Ltd., chemists, Cardiff), has been appointed chairman of the Commissioners of Inland Revenue for the City of Cardiff.

DR. T. F. WEST, director of the development division of Drug Houses of Australia, Ltd., has been elected to the committee of the New South Wales Branch of the Royal Australian Chemical Institute.

LORD BOYD-ORR (Chancellor of Glasgow University, and a former director-general of the United Nations Food and Agricultural Organisation) has been awarded the Nobel Peace Prize for 1949.

SIR W. ARBUTHNOT LANE (managing director, Kaylene, Ltd.), has been appointed Commandant-in-Chief, Metropolitan Special Constabulary, from January 1, 1950. Sir Arbuthnot Lane joined the Metropolitan Special Constabulary in 1926 as a constable.

DR. DARMA SETIAWAN (personal adviser to the Republican Premier of Indonesia) came to Britain to study public health and hygiene, and in particular the National Health Service. He visited the laboratories of the malarial control research unit, Horton Hospital, Epsom, Surrey.

MR. F. C. BENTLEY, M.P.S. (managing director of Allen & Neale (Chemists), Ltd., King's Lynn), addressed the local Inner Wheel Club on "Perfumes," recently. He showed oils, isolates, synthetics and compounded perfumes that aroused considerable interest.

GOLD watches were presented to five members of the staff of Wright, Layman & Umney, Ltd., at a ceremony in London recently in recognition of their service of 50 years or more with the company. They were Messrs. F. C. Bailey (drug buyer), F. McCree (shipping department), C. Perry (factory), A. G. Roberts (sundries buyer), L. R. Rogers (factory).

SIR WILSON JAMESON, G.B.E., K.C.J. M.D., F.R.C.P., D.P.H., K.H.P., Chief Medical Officer of the Ministries of Health and Education, is to retire on reaching the age limit on May 11, 1950. He is to be succeeded by Mr. John Alexander Charles M.D., F.R.C.P., K.H.P. Mr. George Edward Gober, M.D., F.R.C.P., D.P.H., has been appointed Deputy in succession to Mr. Charles from May 12, 1950.

## LEGAL REPORTS

**Embezzlement by Optician.**—At Liverpool, on December 8, William Joseph Ryan, optician, 23 Hilton Street, Presto, was sentenced to six months' imprisonment for embezzling sums totalling £15 received by him for his employers, Curry & Paton, Ltd., dispensing opticians, Hardman Street, Liverpool.

**Pharmacy Act Fines.**—At Stratford police court, on November 25, Slaughter Ltd., Ilford, were fined £5 on each of two summonses under the Pharmacy Acts. The charges were of supplying travel sickness tablets containing hyoscine when no chemist was present and of selling tablets without the bottle being labelled with the seller's name and address in accordance with the Act.

**Food and Drugs Act Fine.**—At Clewwell, London, police court, recent Lightman's Stores, Ltd., 9 Plender Street, London, N.W.1, were fined 40s., with 6 costs, on a charge of selling malt vinegar deficient in acetic acid to the extent of at least 52 per cent. The company pleaded guilty. Their explanation was that the deficiency was due to age. The magistrate said that if he had thought that the loss of acetic acid was due to the addition of water he would have imposed a much heavier penalty.

**Unauthorised Lysol Sale.**—Before District Justice O'Shea, at Graigueenamanagh, Kilkenny, on December 7, Joseph Kissack Ltd., Graigueenamanagh, were prosecuted at the instance of the Pharmaceutical Society of Ireland for selling poison (lysol) through an unqualified person, and with its being labelled with the name and address of the seller. A solicitor who defended pleaded guilty. He stated that the lysol had been purchased by a member of the firm for her private use, but was sold to oblige a customer. On the first summons the justice imposed a fine of £5, with 4 costs, and on the second a fine of £1 with 42s. costs.



## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. B. JANNER asked the President of the Board of Trade on December 5 whether he was aware that the Export Credits Guarantee Department was refusing cover for personal trips by businessmen to the United States, and if he would give an assurance that due care was taken to see that such refusals did not mean curtailment of the dollar drive.

MR. A. G. BOTTOMLEY (Secretary for Overseas Trade): The Export Credits Guarantees Department's facilities in support of the dollar drive insure exporters against loss in respect of well-planned business propositions designed to increase trade with the dollar markets. The propositions involve exporters in financial outlay on specific projects in the hope of future financial return; they can consequently be placed on an insurable basis, and an appropriate premium can be charged. Such a basis does not exist in the case of exploratory business trips, which are a normal part of the ordinary operations of United Kingdom exporters to all countries, and the Department does not therefore offer specific guarantees to cover the expenditure involved. I do not consider that the absence of guarantees in respect of exploratory trips to the dollar markets in particular will in any way be detrimental to the dollar drive.

### Payments to Chemists in Ayrshire

SIR THOMAS MOORE asked the Secretary for Scotland on December 6 when the last full payment had been made to chemists in Ayrshire in respect of completed N.H.S. prescriptions. MR. ARTHUR WOODBURN (Secretary for Scotland) replied that payment as ascertained by complete pricing of all prescriptions had been made for April 1949. For other months of 1949 advances had been made to each chemist at a rate per form of 90 per cent. of the average rate for his April prescriptions. Some of the advances might, in fact, represent full payment.

SIR THOMAS MOORE: Would the Minister be surprised to hear that I have information which shows that the last full payment to the chemists was made in September 1948, and unless a payment has been made since my question has been put down, reckon that my information is correct? Does he not think that that is very unfair?

MR. WOODBURN: I think the chances

are that it is not correct, but if Sir Thomas will transfer his information to my possession I will have it looked into.

### "Unnecessary Resort" to Chemists

MR. P. PIRATIN asked the Minister of Health on December 8 whether he would publish evidence in his possession disclosing unnecessary resorting to doctors and chemists. "No," replied MR. BLENKINSOP (Parliamentary Secretary).

### British Antihistamines

MR. T. C. SKEFFINGTON-LODGE asked the Minister of Health on December 8 to what extent the anti-histamine drugs were available in this country. "Various types of British-produced anti-histamine drugs are freely available," replied MR. BEVAN.

### Pepper Prices

MR. T. C. SKEFFINGTON-LODGE asked the Minister of Food on December 5 whether he was aware of the shortage and of a big rise in the price of pepper during recent months, and if he would take steps to fix a maximum price for that commodity. MR. F. BESWICK asked a similar question. DR. EDITH SUMMERSKILL (Parliamentary Secretary) said in reply that the high prices for pepper arose from world shortage due primarily to delay in restoring production in the Far East. It would be almost impossible to establish a maximum price so long as the import cost fluctuated so widely.

### Proprietaries on Prescription

MR. K. ROBINSON asked the Minister of Health on December 8 if he was aware that many doctors within the National Health Service were prescribing "patent" medicines under their trade names in cases where similar ingredients, if specified in the prescription, could be dispensed at less cost; and what steps he was taking to discourage the practice, which involved unnecessary expenditure of public money. MR. A. BLENKINSOP (Parliamentary Secretary) replied that a committee appointed by the Central and Scottish Health Services Councils was considering the problem.

MR. P. PIRATIN asked the Minister of Health whether it was his intention to levy charges for prescriptions supplied in hospitals, including those supplied in casualty wards. The reply was "No."

## COMMONS DEBATE ON SHILLING LEVY

THE clause providing for a shilling charge for National prescriptions came before the House of Commons on December 2 and was added to the National Health Service Amendment Bill. MR. ARTHUR BLENKINSOP (Parliamentary Secretary to the Ministry of Health) introduced the clause. He said that it had been drafted widely because the exact nature of the arrangements had not yet been settled: discussions were proceeding. "We have under consideration the many representations that have been made by M.P's and others as to the detailed working of this scheme," he said. In the House of Lords, it had been suggested that doctors themselves were over-prescribing. A Joint Committee of the Central and Scottish Health Services Councils was already in existence to advise the Minister whether it was desirable or practicable to restrict in any way the prescribing by doctors of medicines of doubtful value and unnecessarily expensive brands of standard drugs.

### Per Prescription or Per Form?

MR. WALTER ELLIOT, leading for the Opposition, said the change would place nineteen million people in a worse position than they had been in in July 1948, when the Service had begun, and others in a worse position than since 1912, when insurance schemes had allowed them to obtain prescriptions without charge. Would the charge be per prescription or per form? The average was three prescriptions on two forms. It was the large number of small prescriptions that caused difficulty for the chemists. If they were to be priced on a graded figure that would increase that difficulty. If they were to be priced on a flat rate it would mean that for some small prescriptions a disproportionately large charge would be attracted.

COLONEL FRANK BYERS, for the Liberals, said that the more he had looked at the clause the more he had come to the conclusion that the amendment should be rejected. It was not right to deal with a matter of that sort entirely by regulation. Regulations could not be amended. If the charge was too high it would cause serious injustice. It would be too high for some people. If it was too low it would not remove so-called abuses of the system. A serious attempt should be made to deal with the heavy burden laid on the medical system, but they should not give the Minister the powers he was now seeking. What

about the actual difficulties of the scheme when rural practitioners dispensed their own medicines? What about those who required continuous treatment, like diabetics? Was it to be a continuous charge of 50. or 60s. a year to some people? If it was he was not standing for it.

### Would Wrong People be Deterred

DR. SANTO JEGER (Labour) declared that the charge for prescriptions was completely retrograde. When the service had been introduced, all regarded it as a great move forward. They were removing the barrier between the classes, were opening up the results of research and medical treatment to everybody. He feared the clause would deter the wrong people. The Minister of Health had made a speech recently in which he had referred to "cascades of medicine poured down peoples' throats." Was it really suggested that people were going to wait long hours in doctors' surgeries when they knew they would get something very trivial in the way of treatment and that it was a small prescription that would not even come under the eye of the pricing department?

"People go to the doctors either because they are ill or because of their natural fears about their health. The fear may be justified or unjustified, and it is not always possible for the doctor to eliminate or alleviate these fears by words." It might be that part of the thing he had done was to prescribe many of those cheap prescriptions referred to so contemptuously and which were known in the medical profession as "placebos." They were to old-age pensioners might be exempted. Who was to carry out the necessary detective work to ascertain whether they were entitled to be exempted? He did not think the chemist would feel he should have to do it.

### A Pharmacist in the House

MR. HUGH N. LINSTAD, who reminded the House that he was the secretary of the Pharmaceutical Society, welcomed the opportunity of informing the House of what he had been able to gather of the views of chemists. He did not condemn the proposal out of hand. His trouble was that he did not yet know what the Minister's scheme was. When one considered the enormous increase in the cost of medicines under the National Health Service

and how unequal was the incidence of cost as between one part of the country and another, then one concluded that the Minister was justified in setting on foot inquiries that might lead to payments by the patients. The original estimates for the pharmaceutical service were £6 millions. They went up to £13 millions.

### No Advice During Time Lag?

The present estimates were £20 millions. Was the charge to be on each prescription or on each form? Surely the Minister must have had some advice on that subject during the rather long time that had elapsed since the Prime Minister first made his announcement. He had had given to him a prescription for two items. The second item had two doses attached to it. He caused the chemist to make an inquiry and discovered that the first item was for the mother and the second was for two children. Did a prescription of that kind rank as one or as three? Discussions were going on whereby what were called group prescriptions could be written if there was an epidemic in a school. Instead of writing sixty individual prescriptions a school doctor might be able to write one prescription for sixty patients. Was that to rank for a charge of 1s. or 6s.? It was important to know whether there was to be a flat rate or a charge graduated according to the value of the medicine. His view was that there should be a flat rate charge. It would be impossible, when the pricing officers could not cope with the normal pricing of prescriptions at present, to attempt to make any sort of assessment according to the value of the medicine. The most they could do would be to count the forms. The last thing that was wanted was to move the flow of patients from the general practitioner into the out-patient departments of hospitals.

How was the calculation to be done? If it was to be a straightforward payment of 1s. when the medicine was handed over the counter, possibly the system might work.

He did not see why the principle of pay-as-you-use should be restricted to the pharmaceutical services. If it was justified in principle it was justified for the dental, the ophthalmic and the other benefits.

MR. ANEURIN BEVAN, in reply, said he himself did not know all the answers yet because before the scheme could be made

practical it would have to be discussed with representatives of the chemists and doctors. The original simple proposal of having a charge created no administrative difficulties at all. They arose out of the necessity for exemptions.

"What we have done is to say we want to take power to make a charge in connection with the pharmaceutical service alone," he said. "Experience has gone to show that it was that very vital part of the Service where the general practitioner was immediately involved that the greatest load had fallen, and that the Service was inclined in some respects not to give the standard of service we wanted from it. It is incorrect to say that it was purely the financial aspect of this that weighed most with me when I accepted this tentative proposal."

It was a false argument to say that people would be worse off, though he did not deny there would be a "slight withdrawal." If they could reduce the queues at the surgery and unnecessary expenditure on some purchases at chemists' shops, it would be a good thing. "I am not suggesting that this ought to be a permanent feature of the service," he said. "I am deeply concerned about the continuing Socialist aspect of this service. It is put forward only for the purpose of temporary easement, if it becomes practical."

It was not only on the side of bottled medicine that some of the abuse had taken place. It was in aspirins, bandages and so forth, costing less than 1s., and which in many cases could have been bought.

The House would have the opportunity of discussing the regulations before they were put into effect, but there was a growing consciousness that people ought not to abuse the Service.

The amendment was carried by 138 to 9.

### Recovery of Charges from Tourists

MR. BLENKINSOP then moved a new clause giving the Minister authority to make regulations for the recovery of charges for any use of the Health Service by persons not ordinarily resident in Britain. The Minister, he said, had no intention of any general and wholesale exclusion of foreigners from the benefits of the scheme but rather of securing the ending of any abuses by persons who might conceivably come to this country entirely to receive treatment. There was in fact little evidence of abuse.

The amendment was approved.



## TRADE NOTES

**Stock Labels for Cosmetics.**—William Sessions, Ltd., Ebor Press, York, illustrate on another page one of the embossed stock labels for cosmetic jars which they are offering in a full range of wordings.

**Now Tax-free.**—Clinical Products, Ltd., 2 The Green, Richmond, Surrey, announce that their preparation Polycrest antipruritic cream is now free of purchase tax.

**Fitted with Suppressor.**—The electrically heated blankets issued by Sutcliffe & Clarkson, Ltd., Whittlefield Mill, Burnley, Lancs, are fitted with an internal suppressor to cut out interference with radio reception.

**Bonus Terms.**—British Chemicals & Biologicals, Ltd., Loughborough, Leics, point out that Genatosan wintergreen and wintergreen-and-menthol creams continue to be available on bonus terms, details of which are given on another page.

**To Chemists Only.**—Brand & Co., Ltd., Mayfair Works, Vauxhall, London, S.W.8, emphasise that the distribution of their bone and vegetable broth, to which attention was recently drawn in these columns, is confined to chemists.

**Anti-nose-shine.**—Sadko Beauty Preparations, Ltd., 19 South Molton Street, London, W.1, are marketing an anti-nose-shine preparation under the title Eau Mystique. The preparation is issued in small cartoned, gilt-labelled bottles, each understood to last for six weeks in use.

**Antibiotics During the Holiday.**—Kenneth E. White, M.P.S., Ripley, Surrey, states that supplies of Aureomycin, Chloromycetin and streptomycin, together with all penicillin preparations, may be obtained from the Ripley Pharmacy, Ripley, Surrey—telephone: Ripley 3111 (for day and night service on December 25 and 26, Horsley 3351).

**Now Taxable.**—THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10, state that purchase tax has been reimposed on Collosol calcium with vitamin D, Collosol calcium with vitamin D, high-potency, Crookes cod-liver oil emulsion with calcium, and Crookes cod-liver oil emulsion with calcium and iodine.—THOMAS KERFOOT & CO., LTD., Vale of Bardsley, Ashton-under-Lyne, announce that, under a recent decision, Caldecium is subject to purchase tax at 33½ per cent.—MENLEY & JAMES, LTD., 123 Coldharbour Lane, Lon-

don, S.E.5, announce that Dexedrine tablets have been ruled chargeable with purchase tax at 33½ per cent. Benzedrin tablets remain tax-free.

**Now in Unbreakable Container.**—Paramisan sodium (for the treatment of tuberculous infections), is now being issued by the makers, Herts Pharmaceuticals, Ltd, Welwyn Garden City, Herts, in unbreakable containers made of polythene, as illus-



trated. The container is in a shade of blue to tone with the colour scheme used by the company for most of its other ethical preparations, and it also protects against deterioration by exposure to sunlight. The makers state that the new container can be "dropped, kicked or otherwise maltreated" without breaking. The initial cost is high, but no added "buffering" material, such as wood-wool is required and only a simple folding carton is necessary as outer covering, thus making possible a considerable saving in both cost and weight.

**Again Available.**—W. T. OWBRIDGE LTD., Hull, announce that the family size bottle of Owbridge's lung tonic, which has again available, is being extensively advertised.—SHARPE & DOHME, LTD., Hockley, Herts, announce that Screts and septic throat lozenges are again available now issued in a new cream and blue

enamelled tin in a new counter-display at more profitable terms. A display in four colours is also available.

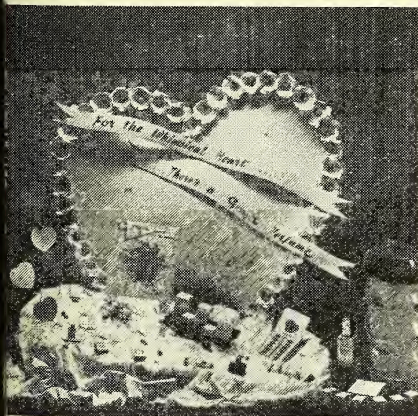
**New Packs.**—Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1, announce that, in addition to supplying sodium para-aminosalicylate as powder and a sterile 20 per cent. solution in 5 and 10 c.c. ampoules, they have made it available also as sugar-coated tablets each containing 0.3 gm. sodium *p*-aminosalicylate in containers of 100, 250 and 1,000; and cartons of forty-eight packets each containing 3 gm. of the salt.

**Price and Product Changes.**—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce that the prices of Quinoxyl brand chiniofon (10-gm. and 50-gm. packs) have been increased. They state also that Wellcome brand concentrated lamb dysentery serum in bottles of 10 c.c. (twenty-five doses) will be supplied to meet all unspecified orders for the serum, although Wellcome lamb dysentery serum, in bottles of 100 c.c. (twenty doses), continues to be available.

**Plastic Tying Material.**—A decorative plastic material of coloured and transparent plastic for perfumery items, novelties, etc., has been introduced by John Gosherson & Co., Ltd., Gayford Road, London, W.12, under the name Cel-O-Band. Cel-O-Band is supplied in two thicknesses: Medium single (in a range of "diaphanous" colours and pearl white); and in medium two-ply (which features two colours in any desired combination). The material is strong, and ties without cutting hands or damaging delicate fabrics.

**Christmas Greetings.**—Among advertisers who devote their space in this week's issue of *THE CHEMIST AND DRUGGIST* to Christmas greetings announcements are BURGOYNE, BURBRIDGES & Co., LTD., East Ham, London, E.6, HERTS PHARMACEUTICALS, LTD., Welwyn Garden City, Herts, the INTERNATIONAL CHEMICAL Co., LTD., Chenies Street, London, W.C.1, CHAS. H. WINDSCHUEGL, LTD., 1 Leadenhall Street, London, E.C.3, and CHARLES ZIMMERMANN & Co., LTD., Dega Works, Walmgate Road, Perivale, Greenford, Middlesex.

**Window-display Prize-winners.**—Principal prize-winners in a national and regional window display competition organised by Goya, Ltd., 161 New Bond Street, London, W.1, were:—*National competition*: 1 (eight-day spring holiday for two on French Riviera), T. Worsick (T. Brown (Chemists), Ltd., Stockton Heath, Warrington, Lancs); 2 (£31 10s.), Harry B. Milne, High Street, Perth, Scotland; 3 (£21), Pharmacy department, Leicester Co-operative Society, Ltd. *Regional competitions* (winners of £15 15s. first prizes only): Scotland, Alexander Weir, 79 High Street, Selkirk; North of England and Northern Ireland, Ralph Cuthbert, Ltd., Westgate, Huddersfield; Midlands and Wales, W. T. Hind, 78 Queens Road, Leicester; London and Home Counties, Perks & Llewellyn, 9 High Street, Hitchin; Southern England and Channel Islands, H. Ridehalgh, 712 Wimborne Road, Bournemouth. The Editor of *THE CHEMIST AND DRUGGIST* was one of the four judges.



First and second prize-winning displays in competition organised by Goya, Ltd., London. See above.



## PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held in London on December 6 and 7, the president (Mr. H. Clement Shaw) in the chair. Apologies for absence were received from Mr. Granville Shaw, Professor Dilling and Mrs. J. K. Irvine.

### A Visitor from South Africa

THE PRESIDENT welcomed as a visitor at the Tuesday meeting of the Council, Mr. F. J. Todd, Ph.C. (vice-president of the Pharmacy Board of South Africa, and a member of the executive of the Pharmaceutical Society of South Africa), who was in this country after an absence of twenty-one years. MR. TODD said that it was a privilege and an honour to be allowed to convey the sincere greetings of South African pharmacists to their British colleagues, and to express their intense satisfaction at the close co-operation that existed between the two countries. The South African pharmaceutical organisation was young, having been officially started in 1928, but it inherited a tradition that had been built up in England—he supposed he ought to say Great Britain—over a great number of years. In South Africa they were endeavouring to retain for the Board a large measure of independent responsibility and action, and looked with grave displeasure on any attempt by the Government department to tell them their business or what they should or should not do. In this they had been fairly successful, and to his mind this independence of thought and action was fundamental if pharmacy was to progress. In South Africa they closely followed the progress of educational requirements in Britain, and tried to keep pace with them. Sometimes they thought they were ahead of British pharmacy, and perhaps, being a young country, they could take chances and “get away with it,” but in their heart of hearts South African pharmacists were close to those in this country, and he would hate to think of a day when British and South African pharmacy did not work hand in hand. He hoped that reciprocity would continue; at present it was a one-way traffic, and it was a good thing for South Africa that it should be.

THE SECRETARY reported that, since the previous meeting, sixty-four persons had been registered as students or apprentices, making 564 for the year. It was agreed to award diplomas to eight pharmaceutical

chemists, and to accept for registration two persons applying under reciprocal agreements.

THE SECRETARY reported receipt of letter of thanks from the British Pharmaceutical Students' Association, on behalf of the International Students' Federation for hospitality accorded them by the Society during the Federation's recent conference. A letter from the Royal Sanitary Institute invited the Council to appoint delegates to a congress to be held at Ebourne, April 24-28, 1950, and it was agreed that Mr. Tristram should attend on behalf of the Society.

### British Pharmaceutical Conference

The report of the British Pharmaceutical Conference Executive stated that 4 tickets had been issued for the Blackpool Conference in 1949, together with three two day tickets and thirty-five special tickets to enable members of the local branch to attend evening meetings. Arrangements for the Conference at Glasgow in 1950 were proceeding, and it was proposed to hold the opening session on the Monday afternoon of Conference week, the closing session on the Friday afternoon. There would probably be social function on the Friday evening. It was decided to ask contributors of papers to the Science Sessions to submit a *présumé* when sending in their papers and to appear here as closely as possible to it when presenting their papers. The report expressed the appreciation and thanks of the Executive for continued financial help from the Council, and showed that it had been utilised, as in 1948, to facilitate the attendance of young pharmacists and other members of the Conference. Forty applications had been received, and thirty-eight accepted (against thirty and twenty-nine in 1948). The report of the Organising Committee contained a recommendation (which was adopted) that invitations to appoint a representative to attend the Conference should be sent annually to the pharmaceutical societies of the Dominions. It was also decided to forward to the Conference Executive a proposal regarding overseas publicity for the Conference.

### Anglo-French Cultural Convention

It was reported that the *Ordre des Pharmaciens de France* had accepted the Council's invitation to establish a joint committee, and had appointed represen-



ves to serve on it. The Council decided to consider at its next meeting the appointment of the Society's representatives.

A communication was received from the School of Pharmacy calling attention to the fact that Mr. W. S. Howells was due to retire from the School Council at the end of the year, and it was decided to reappoint Mr. Howells for three years.

#### **Benevolent and War-aid Funds**

The Council elected three additional annuitants. Grants from the Funds amounting to £116 had been made to four widows. Recommendations for grants in four further cases, amounting to £383, and for a grant of £78 from the Orphan Fund, were approved. Three applications were deferred, and in three cases no grant was made. A grant of £10 was made towards the funeral expenses of an annuitant.

#### **Petrie Trust Bursary, 1949**

On the recommendation of the Education Committee, the Petrie Trust Bursary for 1949, with a copy of the British Pharmaceutical Codex, was awarded to Herbert Anderson, Aberdeen; a copy of the Codex was awarded to Henry B. Caird, Dorfar. The thanks of the Council were conveyed to Mr. J. Spence for acting as examiner, and to the Aberdeen Pharmaceutical Association for arranging the examination.

#### **Examinations and Education**

The report of the examinations held in Scotland in October 1949 showed that eighty-nine candidates had entered for the intermediate examination, twenty-three passed, eighteen were referred, ten were absent, and thirty-eight failed; of forty-two candidates who entered for a referred subject, thirty-one passed, ten were again referred, and one was absent. In the Chemist and Druggist Qualifying examination there were eighty-six candidates, of whom thirty-one passed, thirteen were referred, thirty-eight failed, and four were absent; fifty-four out of sixty-three candidates passed in a referred subject; two were absent and seven of the candidates were again referred.

The Education Committee reported that a letter had been received asking that University students who had failed their first examination in one subject should be granted exemption from the Society's Intermediate examination in the other two subjects. The secretary was instructed to reply that no exemption was given unless

the student passed his examination as a whole, but that his course of study would be acceptable for his admission to the Society's Intermediate examination in all subjects. The Committee's report stated that applications for approval of practical training had been granted to four hospitals and thirty-four pharmacies. The Committee agreed to grant approval to Enfield technical college for the purpose of providing a course of instruction for the Society's Intermediate examination. Concessions from the requirements of the examination regulations had been granted to six applicants. An ex-Service candidate was granted exemption from articulated pupilage. Examination fees were returned to two applicants.

The Council approved recommendations by the Committee for the appointment of Messrs. J. Schofield and F. Mitchell as invigilator and deputy invigilator respectively for the Society's examinations at Leeds, and of Mr. A. E. Marston as deputy invigilator at Birmingham.

#### **Branch Representatives' Meeting**

It was agreed that the following motion received from the Eastbourne Branch should be included in the agenda for the Branch Representatives' Meeting, London, May 1950:—

"That it is the opinion of this meeting that the Pharmaceutical Society should notify each set of Registered premises of all alterations in laws, rules and regulations affecting pharmacy, and of withdrawals of authority under the D.D.A., the present method of notification in the 'Pharmaceutical Journal' being unsatisfactory."

#### **Finance**

The report of the Finance Committee, presented by THE TREASURER, recommended approval for the action of the secretary in making payments amounting to £3,402, and of the treasurer in paying accounts amounting to £16,385. The recommendation was adopted.

The amendment to the by-laws relating to registration and retention fees was again confirmed, and instructions were given that it should be submitted to the Privy Council for approval.

The Law Committee's report showed that during October the Society's inspectors and agents had visited 959 authorised sellers, 308 listed sellers and 494 drug-store proprietors. The Committee considered twenty-one cases of infringements of the Pharmacy, Penicillin, and Merchandise Marks Acts,



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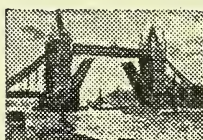
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Next Session commences: March 1950.

## INFORMATION WANTED

*The Editor would appreciate information about suppliers of the following items:*

Alformant gargle  
Carbatom (instrument for spraying teeth)  
Amenal  
5-Hydroxy tryptamine





# The CHEMIST AND DRUGGIST

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

OL. CLII DECEMBER 17, 1949 No. 3643

## "Widely Drafted"

the form in which it was presented to the House of Commons, the principle of the shilling charge per N.H.S. form had no difficulty in being accepted by the necessary majority. The actual figures were 18 votes to nine. But, as the Parliamentary Secretary to the Ministry of Health (Mr. A. Blenkinsop) said in presenting the amendment, the clause was by intention "widely drafted" because the exact nature of the arrangements has not been settled. The course of the debate showed, however, that the minds of all, from the Minister to his most hostile critic, were occupied most exclusively with the narrower drafting that will have to be embodied in a regulation.

Mr. Bevan went so far as to "say frankly" that if he had known all the answers there would have been no excuse for his not having already had the regulation ready. It is possible that he did not even know previously all the questions, for, although Mr. Blenkinsop stated in opening that "discussions are proceeding," Mr. Linstead was able to challenge the statement in the confident knowledge that the chemists had not at that date been brought into the discussions. When the Minister does bring them in, he will no doubt be brought face to face with matters of very practical difficulty. In the meantime, he has the following questions posed in the debate itself to which to find his answers:—

How to deal with rural practitioners (who do not issue prescriptions).

2. Whether diabetics and other "continuous-treatment" patients are to have to pay out every time.
3. To what extent the shilling will act as a deterrent to early treatment when that is a *sine qua non* of benefit to the patient.
4. Whether the people so deterred will in fact be the consumers of aspirins and users of cotton wool whom he is proposing or hoping to deter.
5. Whether the "cascades of medicine" may not, instead of being lessened, be actually swollen by the prescribing of larger bottles of medicine; by the more drastic measures that may become necessary for patients who have, by avoiding the doctor too long, allowed a condition to get out of hand; or by tender-hearted practitioners taking pity on poor patients by putting as much on one shillingworth as they legitimately can.
9. How to identify clearly those classes, such as the old-age pensioners, which are to be exempted, and whether chemists can reasonably be asked to do any "detective work" to ensure that no unentitled claimants are getting by.
10. Whether the pricing offices are in a position to cope with a charge graded (as originally proposed) up to a shilling.
11. Why, if the principle is right, it should not apply equally to the dental and ophthalmic benefits.

Pharmacists would like to see the Minister treating as a matter of urgency the drafting of the regulation and in particular relieving them of some of their present uncertainties and anxieties, but there are unfortunately signs that Mr. Bevan intends to find his own answers and then to call the doctors and chemists into consultation. The way he expressed himself was: "I do not myself yet know all the answers. Before this can be made into a practical scheme, it will have to be discussed with representatives of chemists," etc.

## Education for Commerce

THE Ministry of Education has published the report of a special committee which was set up in 1946 to consider education for commerce and commercial professions (H.M. Stationery Office, price 1s. 6d. net). Such an inquiry has never been attempted before and it has brought to light much which, in the opinion of the committee, calls urgently for drastic reform. In the first place the committee is of opinion that the buildings housing many colleges and departments of commerce are wholly unsatisfactory, and adds that not one of the eight specialised colleges of commerce is a building satisfactory in equipment or accommodation. The report reviews the staff-



ing of technical colleges, research facilities, and the supply of books and other publications, and includes appendices on education and modern languages.

There is, the report states, considerable confusion in the planning of suitable courses owing to the multiplicity of qualifications supposed to be suitable for a commercial career. At least fifty professional associations lay down courses of study and conduct examinations. "What is wrong cannot be put right by tinkering," states the report, and adds that a comprehensive and co-ordinated scheme of studies is needed. One of the main recommendations is to provide general education to a higher age than at present by means of courses to include social studies and commerce subjects. Specific vocational training should be deferred to the later years at school, or should be given on a system of part-time day education when young people are in employment. The committee deprecates the early introduction of vocational training and suggests that typewriting should not be taught to pupils under the age of fourteen, and shorthand should not be taught to those under fifteen, when a command of English would be much more assured than is apparent at the present time.

Dealing with higher forms of training, the committee recommends that (a) no one should embark upon professional or advanced studies before the age of eighteen; (b) for those who wish to enter the professions, full-time education should be continued to the age of eighteen; (c) recruits to the professions below the age of eighteen should be required to undertake courses in basic studies. On the question of professional examinations the committee suggests that professional associations should consider the following proposal:

At the stage of the intermediate examination, only general commercial subjects should be prescribed, vocational training being introduced only at the final stage. Entry upon vocational training at too early a stage should be discouraged and recruits to the professions under the age of eighteen should be advised to take national certificate courses. Unnecessary variation in syllabuses in common subjects should be eliminated.

The report also recommends that courses in technical colleges or professional examinations should be extensively developed,

and day-time facilities for training should be available. A revision of the existing schemes for the award of national certificates is strongly advocated in order to serve as the first stage in a co-ordinated scheme of general commercial education and training, and also to provide a stepping-stone to professional qualifications.

### Clarity of Injection Solutions

In the United States the clarity of solutions presented for parenteral use has been the subject of discussion between the industry and the Federal Food and Drug Administration for more than a year, and working committees of various organizations have finally agreed on a new method of determining clarity. The method requires that batches of say, eighty to 100 ampoules shall be regarded as unsatisfactory if, when examined under a light, 16 per cent. or more fail to pass the test. (The rejections are recorded by an independent observer). For batches of less than eighty ampoules a progressive increase in the percentage of rejections is allowed (up to 40 per cent. where the sample contains as few as eleven ampoules). If the number of rejections exceeds the agreed percentage, a second examination is made after the units are thoroughly mixed. Should the number found satisfactory on the second examination not exceed 75 per cent. of the number rejected on the first examination, the batch is passed.

The test was suggested by Dr. Hugo Schaefer (Brooklyn College of Pharmacy) and is under consideration for inclusion in forthcoming revisions of the United States Pharmacopœia and (American) National Formulary. While the new method does not eliminate the problem of human errors, it is considered to be the best method of examination so far devised. It is a mechanical method now being constructed by the Administration (see *C. D.*, November 26 p. 720) is successful. An even better method may be available. On this side of the Atlantic there are no official or semi-official clarity tests for injection solutions. Although solutions lacking in clarity may be displeasing to handle, whether they are deleterious to health is a matter of considerable doubt.

## POISONS LAW, 1935-49

### 20. Part II Poisons.

THE Home Office Memorandum—"Poisons No. 1 (Shopkeepers)"—on poisons provisions affecting shops other than chemists' shops, states that the law relating to the control of poisons is "necessarily complicated." The memorandum, first published in 1936, concerns the poisons in Part II of the Poisons List, i.e., those poisons in "common use," which may be sold from the premises of a seller who is "listed" by virtue of his name being entered in the local authority's list. The changes apply restrictions to domestic poisons (previously free from control other than container and labelling provisions), and limit the sale of agri-horticultural poisons to purchasers engaged in such business. The change-over took place without any apparent disturbance, the licensees under the Poisons and Pharmacy Act, 1908, re-registering as listed sellers. The Third Schedule exemptions were highly important in respect of industrial and domestic articles containing poison, but free from danger to the public in ordinary use. The new poisons law stabilised the position in regard to Part II poisons and ended previous difficulties resulting from indiscriminate sale by irresponsible shopkeepers.

#### Domestic Poisons

Ammonia, potassium quadroxalate and the mineral acids (hydrochloric, nitric and sulphuric), are the only poisons of which the listed seller is allowed to break bulk, but in such exceptions, poisons provisions poisons bottle, non-leaky package and labelling), in effect, restrict sales to pre-packed products. Limited sales do not warrant many storekeepers applying for registration as listed sellers, and this has encouraged the sale of substitute water softeners, polishes and lavatory-pan cleaners, etc. The principal demand for sulphuric acid (as battery acid) falls outside the legislation when filled into a battery. The modifications to special exemptions of the Third Schedule in respect of polishes containing oxalic acid, illustrate the manner in which a demand is created for a made-up (Ex.A.) product to supplant supply of the poison as such. Sub-strength carbolic infectants (liquid and powder) have disappeared, but dust-bin disinfection by local authority has curtailed sales of carbolic powders. Antiseptics of the lysol type are in decreased demand owing to the

development of non-poisonous products with greater bactericidal activities and lesser causticity.

The campaign against rats and the introduction of new kinds of rat poisons have not resulted in a noteworthy increase in public demand. This is a matter in which the technical advice of the pharmacist could be used to advantage in the public interest. The difficulty of coping with changes in poisons law is exemplified in the 1948 reprint of the foregoing (Poisons No. 1) memorandum. Zinc phosphide was added in 1946 to Part II of the Poisons List and included in the First Schedule. "Articles containing zinc phosphide and prepared for the destruction of rats and mice" were made Ex.S.1. by inclusion in Poison Rule 10, whereas the memorandum makes them "Ex.A." in its Appendix I when adding them to the list of Part II poisons.

#### Agri-horticultural Poisons

The supply of poisons to farmers, horticulturalists and greenkeepers is undoubtedly a specialised and expanding business, which under the revised poisons law ceased to be "contentious." Much of the bulk supply is done direct, and the special restrictions on First Schedule poisons make manufacturers responsible for complying with the onerous labelling provisions applicable to the sealed containers sold by listed sellers. The forms in which S.1 poisons are permitted to be supplied specify their uses:—

##### *Sheep dips and washes*

Arsenical poisons (arsenic sulphides, arsenious oxide, potassium arsenites, sodium arsenates and sodium thioarsenites).

##### *Agricultural and horticultural insecticides and fungicides*

Arsenical poisons (calcium arsenates, calcium arsenites, copper acetoarsenite, copper arsenates, copper arsenites and lead arsenates).

##### *Seed and bulb dressings*

Mercurial poisons (mercuric chloride, mercuric iodide and organic compounds of mercury).

There are no changes in respect of the above products. However, nicotine retained its faculty of requiring special supply facilities, which took the form of a proviso to Rule 6 (in 1944 and 1947), exempting nicotine dusts with less than 4 per cent.



nicotine from the application of Section 18 (2) of the Pharmacy and Poisons Act (i.e., known to seller on certificate and entry of sale in poisons register). The memorandum again errs in implying that such nicotine preparations are "Ex.S.1." as other First Schedule requirements (including labelling) still apply.

The use of dinitrocresols in insecticides and fungicides presented a complication which was solved by making them a Part II poison for such use, and Fourth Schedule in medicine, but Ex.A. for industrial purposes. The addition of phosphorus compounds to Part II of the Poisons List shows the need for keeping up-to-date with the advance in the technology of plant protection. This is a field in regard to which publication of new knowledge is sadly

lacking owing to war-time and peace-time paper shortage. In addition, the sale of poisons on the scale required in agriculture and horticulture has been hindered in the past by the inherent tendency of the qualified chemist to avoid selling potent poisons in quantity. The time has come for wider knowledge of the legitimate need of farmers and fruit-growers. In particular, private gardeners would welcome greater opportunities for obtaining agri-horticultural poisons if, for example, the (phosphorus) preparation supplied for eradicating green-fly was coupled with an assurance of its efficacy. Qualified chemists aided by law and training best fitted for such service, and inquiries for Part II poisons should be fostered and pave the way for a more profitable business. [*Concluded.*]

## BENEVOLENT FUND DANCE IN DUBLIN

THE 1949 dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland, held in Dublin, December 6, broke all records for attendance, with 580 present. Many attractive "spot" prizes were awarded to lucky patrons, while a well-stocked Christmas hamper, complete with turkey, was the first prize in a raffle. A large party at the tables of the president of the Society (Mr. T. C. Scott) included Mr. William Gorman (secretary, Pharmaceutical Society of Northern Ireland) and Miss D. Sanderson, Belfast, Mr. J. P. Kissane (vice-president) and Mrs. Kissane, Mr. and Mrs. P. A. Brady, Mr. J. G. Coleman (registrar) and Mrs. Coleman, Mr. and Mrs. W. R. Such, Mr. Trevor Scott, M.R.C.V.S., Mrs. V. Penney and Mr. and Mrs. H. G. Smith. Other Council members present with parties included Messrs. J. Gleeson (treasurer) P. C. Cahill, M. Costello, T. B. O'Sullivan, G. C. O'Neill and P. F. McGrath. Mr. Brendan R. Smith (secretary, Irish Drug Association), who was accompanied by Mrs. Smith, represented the Association, many other individual members being present. The large attendance also included Dr. and Mrs. J. C. Dowling, Dr. and Mrs. V. Barry, Mr. and Mrs. Sylvester O'Farrell and party; Mr. and Mrs. A. F. Roche, Mr. F. J. Robinson and party, Mr. and Mrs. C. Collis and party, Mr. J. Draffin, Mr. and Mrs. J. Smyth, Mr. and Mrs. P. McAuliffe, Mr. and Mrs. F. J. Roche, Mr. S. J. Savage, Mr. and Mrs. F. M. Mallen, Mr. and Mrs. P. J. Farrell, Mr. J. Doyle, Mr. P. McCluskey, Mr. and Mrs. G. B. McCauley, Miss Malone, Mr. and Mrs.

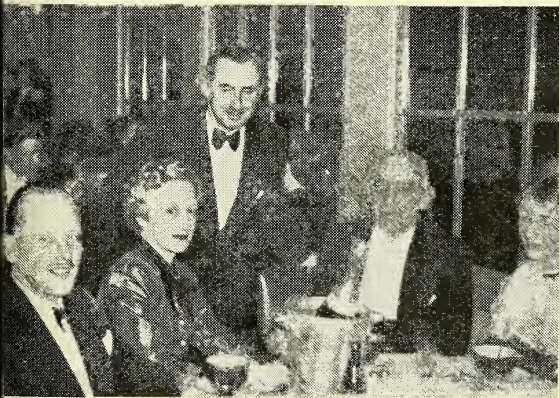
O'Nuallain, Messrs. F. Walsh, E. Hughes, F. H. Steele, T. Fullam, J. O'Grady, Miss McCarthy, Messrs. E. Hughes, T. O'Keefe, Percy Harwood, V. Prenderville, J. Burdette, Gordon Smyth, A. McKee, Mr. and Mrs. C. W. Chesson and party, Mr. F. J. Timoney and party, Mr. R. F. Timoney, Misses P. Fallon, McNulty, J. McGrath and Frances Smith, Mr. P. G. Redmond (chairman), assisted by Miss Burga Fullam (secretary), Mr. J. Murphy, Miss C. Gaffney (treasurer), Misses M. Foley, A. Lacy, R. Hughes and Mr. P. Leahy (M.C.). Mr. K. Ban and Mr. A. Dignan were responsible for the organisation of the dance. It is expected that a considerable sum will be realised for the Benevolent Fund from the dance. Pictures on opposite page.

## GERMAN DRUG INDUSTRY

THE price of penicillin has declined 10-15 D.M. (approximately 16s. 6d. to 24s. per million units on the West German market, from its inflated level of 45 D.M. (£3 16s.) in the spring of 1949. Most pharmaceutical preparations to a total of 35,000 specialities are again in adequate supply. Exports are held to have been adversely affected by the dissolution of I.G. Farben concern, since individual work units, which are now operating as independent units, have no common sales organisation. Exports in the first quarter of 1949 reached a value of 4,250,000 D.M. (equivalent to an annual rate of D.M. 17 million) whereas the planned total for the whole of 1949 was D.M. 120 millions. Pre-war exports were valued at D.M. 140 million.



# DUBLIN CHEMISTS FACE THE CAMERA

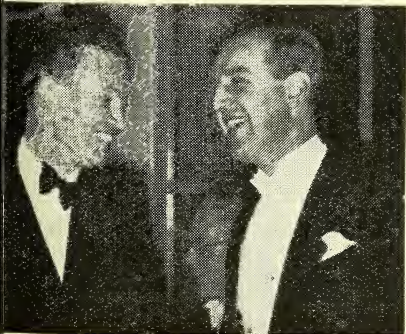


1. Members of dance committee with guests. Mr. T. C. Scott (president, Pharmaceutical Society of Ireland) is in the centre of the front row. On his right is Mr. William Gorman (secretary, Pharmaceutical Society of Northern Ireland).

2. A group at Mr. F. J. Robinson's table. The group includes Mr. S. J. Savage (a director of Hayes, Conyngham & Robinson, Ltd.), Mrs. F. J. Robinson, Mr. and Mrs. W. E. Pickering.

3. OPPOSITE NUMBERS: Mr. James G. Coleman (registrar in Dublin) and Mr. William Gorman (secretary in Belfast).

4. Chemist golfers (and all ex-captains).





## PROPRIETARY ARTICLES TRADE ASSOCIATION

THE executive committee of the Proprietary Articles Trade Association Council further considered on December 8 the question of increasing the members' subscription rates. The executive had decided in November to recommend the council to increase the retail subscription to ros. 6d., and the secretary was instructed to find out whether the executive of the National Pharmaceutical Union (through which body the great majority of P.A.T.A. retail subscriptions were remitted) would co-operate in collecting the revised subscription. The N.P.U. executive intimated their willingness to do so and suggested that, as certain revisions in the Union's subscription would become operative on January 1, 1950, the change in P.A.T.A. subscription should also come into force on that date. As the retail section of the P.A.T.A. council had previously agreed in principle to the increase, the executive decided to adopt it and make it operative from January 1, 1950. It was decided to give further consideration at the January 1950 meeting of the Council to the subscription rates for members of the manufacturers and wholesale sections.

### Additions to Protected List (Part 1).

—*Gade Laboratories, Ltd.* (formerly known as Endocrines Spicer, Ltd.; selling agents, J. C. Eno, Ltd.), Chonex, 20's, 47s. 3d. doz., 5s. 3d.; 100's, 211s. 6d. doz., 23s. 8d.; 500's, 958s. 6d. doz., 106s. 6d. (exempt from tax). Penicillin Gelatros, 18s. doz., 2s. (exempt).

*Evans Medical Supplies, Ltd.*, Heprona, 6-oz., 50s. doz., 6s. 3d.; 40-oz., 252s. doz., 31s. 6d. (exempt from tax).

*Eli Lilly & Co., Ltd.*, Reduced prices for Betalin S brand synthetic vitamin B<sub>1</sub> on application to secretary, P.A.T.A., 43 Gordon Square, London, W.C.1.

*Westminster Laboratories, Ltd.*, Magsilate, dispensing pack of new strength for children (orange tablets, half-strength) now available.

### Alterations to Protected List (Part 1).

—*Bayer Products, Ltd.*, Bioferol, 8-oz. bottle, 30s. doz., tax 33½ per cent., inclusive retail price, 4s. 7d.

*The British Drug Houses, Ltd.*, Calsimil, formerly exempt from purchase tax, now chargeable at 33½ per cent.; 60's, 22s. doz., tax 33½ per cent., i.r.p., 3s. 4d.

*Evans Medical Supplies, Ltd.*, Purchase tax reimposed, Kalsolac, 30's, 14s. doz., tax 33½ per cent., i.r.p., 2s. 2d.; 68's,

26s. doz., tax 33½ per cent., i.r.p., 4s.

*Gade Laboratories, Ltd.*, Emulsion *Le tobacillus acidophilus*, 12-oz., 45s. doz., tax 33½ per cent., i.r.p., 6s. 3d.; 80-oz. 225s. doz., tax 33½ per cent., i.r.p., 31s. 9d.

*Glaxo Laboratories, Ltd.*, Purchase tax reimposed, Caldeferrum tablets, 100 38s. 3d. doz., tax 33½ per cent., i.r.p., 5s. 4d.; Ostelin tablets, 45's, 22s. 6d. doz., tax 33½ per cent., i.r.p., 3s. 1½d.; 250 112s. 6d. doz., tax 33½ per cent., i.r.p., 15s. 7½d.; Ostocalcium tablets, 50 20s. 3d. doz., tax 33½ per cent., i.r.p., 2s. 10d.; 100's, 36s. doz., tax 33½ per cent., i.r.p., 5s. (tax-free dispensing pack available).

*Knoll, Ltd.*, Revised prices for Cardia Dicodid drops, Dicodid and Dilaudid preparations may be obtained on application to secretary of P.A.T.A., 43 Gordon Square, London, W.C.1.

*Parke, Davis & Co.*, Taka-Diast liquid, 4-oz., 34s. doz., tax 33½ per cent., i.r.p., 5s. 2½d.; 16-oz., 120s. doz., tax 33½ per cent., 18s. 4d.; Metatone now chargeable with tax at 33½ per cent., 8-oz. 33s. 4d. doz., tax 33½ per cent., i.r.p., 5s. 1½d.; 16-oz., 57s. 4d. doz., tax 33½ per cent., i.r.p., 8s. 9½d.

### Deletions from Protected List (Part 1).

—*Boon Doral, Ltd.*, Boon skin emulsions and salve, Boon pine essence and germicidal antiseptic.

*Franklin Laboratories, Ltd.*, Franklin indigestion remedy; Vue eye-lotion.

*Eli Lilly & Co., Ltd.*, Metycaine and Merthiolate jelly, 1-oz. tube.

### Addition to Protected List (Part 2).

*Brand & Co., Ltd.*, Thick bone and vegetable broth, 5s. 8½d. doz., 7½d. (exempt).

—*St. Andrew Mills, Ltd.*, Stanex handkerchief tissues, 49s. gross, 6d. (exempt). And handkerchief tissues, 120s. gross, 1s. (exempt).

### Correction to Protected List (Part 2).

—*Silvikrin Laboratories, Ltd.*, Rate of purchase tax on Silvikrin Lustrefoam liquid shampoo, powder shampoo (soap and soapless) is 33½ per cent. and not 100 per cent. as quoted in P.A.T.A. year-book, 1949-50.

### Deletions from Protected List (Part 2).

—*M. Beetham & Son*, Larola toilet soap.

*Boon Doral, Ltd.*, Doral shampoo.

*St. Andrew Mills, Ltd.*, Marvo toilet roll.

*Thawpitt, Ltd.*, Thawpitt.

## CHRISTMAS HOLIDAYS

The following manufacturers and wholesalers will be closed from Friday afternoon, December 23, to Wednesday morning, December 28:—

**FRAYER PRODUCTS, LTD.**, Africa House, Kingsway, London, W.C.2 (from 1 p.m., Friday, December 23; urgent supplies from John Bell & Croyden, Wigmore Street, London, W.1).

**FURROUGHS WELLCOME & CO.**, 183 Euston Road, London, N.W.1 (emergency staff for urgent orders Saturday, December 24, and Tuesday, December 27, 9 a.m. to 12.30 p.m.).

**GIBA LABORATORIES, LTD.**, Horsham, Sussex.

**THE CROOKES LABORATORIES, LTD.**, Park Royal, London, N.W.10 (urgent supplies from John Bell & Croyden, 50 Wigmore Street, London, W.1).

**RICHARD DANIEL & SON, LTD.**, Derby and Ashton-Ly-Leine.

**EVANS MEDICAL SUPPLIES, LTD.**, Speke, Liverpool, 19, and 50 Bartholomew Close, London, E.C.1 (emergency supplies of antitoxins, sera and vaccines from addresses in company's current "A")

**J. R. HARKER, STAGG & MORGAN, LTD.**, Ematt Street, London, E.1 (and for annual stocking, Friday, December 30).

**H. HAYWOOD, LTD.**, Warser Gate, Nottingham (and until January 1 for stocktaking).

**HERTS PHARMACEUTICALS, LTD.**, Welwyn Garden City, Herts.

**HOFFHOUSE & SALTMER, LTD.**, Hull (skeleton staff for urgent orders Saturday morning, December 24; stocktaking, December 29 and 30).

**MAY & BAKER, LTD.**, and **PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD.**, Dagenham (from noon on December 23; urgent supplies from John Bell & Croyden).

**MENLEY & JAMES, LTD.** (from 1 p.m. Friday, December 23; urgent orders from John Bell & Croyden). The company's staff Christmas party being held on Thursday, December 22, when offices and factory will close at 3 p.m.).

**THOMAS MORSON & SON, LTD.** (offices and works) (works and warehouse closed also for annual stocktaking until Wednesday morning, January 4; no deliveries accepted between December 23, 1949, and January 3, 1950)

**H. R. NAPP, LTD.**, 3 Clements Inn, London, W.C.2 (urgent supplies from John Bell & Croyden, Wigmore Street, London, W.1, or R. Woolby Cooke, 38 Gloucester Road, S.W.7).

**PAINES & BYRNE, LTD.** (urgent supplies from John Bell & Croyden).

**PARKE, DAVIS & CO.**, Staines Road, Hounslow, Middlesex (from 3 p.m., December 23; urgent orders from John Bell & Croyden).

**PHARMACEUTICAL LABORATORIES GEIGY, LTD.**, National Buildings, Parsonage, Manchester, 3 (skeleton staff available at branch factory at 729 Manchester Old Road, Rhodes, Middleton, Manchester, to deal with urgent orders for medical specialities on mornings of Saturday, December 24, and Tuesday, December 27).

**POTTER & CLARKE, LTD.**, 60 Artillery Lane, London, E.1.

**SOUTHON LABORATORIES, LTD.**, 84 Upper Richmond Road, London, S.W.15 (Esoban and other products urgently required may be obtained from John Bell & Croyden).

## C. & D. DISPENSING PRICE LIST

The following changes, which took place during November, should be noted. The drug index for the month is 181.4.

Cost		Dispensing price		
	Item	4 oz.	1 oz.	1 dr.
d.	per	s. d.	s. d.	s. d.
81	lb. Aloe Curaçao			
	pulv. . . . .	2 10	0 9	0 2
42	oz. Aloin . . . . .	—	6 4	0 11
36	oz. Araroba . . . . .	—	5 3	0 9
72	oz. Argenti nitras . . . . .	—	—	1 9
81	oz. Argenti nitras			
	indur., 8's . . . . .	—	—	1 11
31	oz. Balsam. tolut. . . . .	—	4 7	0 8
53	oz. Caffein. et sodii			
	iodidum . . . . .	—	—	1 3
35	oz. Caffeinæ citras . . . . .	—	—	0 10
72	lb. Cera alb. in massa	2 7	0 9	0 2
84	lb. Cera alb. in			
	placentis . . . . .	3 0	10	0 2
102	lb. Cera emul ificans	3 8	—	—
96	lb. Cera flav. Ang. in			
	massa . . . . .	3 5	0 11	0 2
75	lb. Cera flav. exot. in			
	mas-a . . . . .	2 9	0 9	0 2
15	oz. Copaiba . . . . .	—	2 3	0 4
30	lb. Glycerin boracis . . . . .	1 5	0 5	0 1
42	lb. Mist. bismuth. co.,			
	B.P.C. . . . .	1 9	0 6	—
116	oz. Oleore in.			
	zingiberis . . . . .	—	—	2 9
22	oz. Ol. caryoph. Ang.	—	3 3	0 6
15	oz. Ol. citronellæ			
	Ceylon. . . . .	—	2 3	0 4
93	lb. Ol. eucalypti . . . . .	3 3	0 11	0 2
27	oz. Pasta bismuth. et			
	iodoform. . . . .	—	—	1 6
63	oz. Podophylli resin.			
	(emodi) . . . . .	—	—	1 6
102	oz. Podophylli resin.			
	(pellatum) . . . . .	—	—	2 5
192	oz. Quinidin. sulphas	gr. 10	0 10	4 6
99	lb. Tr. benzoin. co.	3 3	0 11	0 2
60	lb. Tr. benzoin. co.			
	(meth). . . . .	2 0	0 7	0 1
168	lb. Ung. gallæ c. opio,			
	B.P.C. . . . .	5 11	1 9	0 3
69	lb. Zingib. Afric. . . . .	2 6	0 9	0 2
75	lb. Zingib. Afric.			
	pulv. . . . .	2 9	0 10	0 2



## ULSTER CHEMISTS' ASSOCIATION

At the December meeting of the Executive Committee of the Ulster Chemists' Association a vote of sympathy was passed with the widow and relatives of the late Mr. B. B. Morrison, Bridge Street, Banbridge. A welcome was extended to Mr. W. H. Boyd on his first appearance as a member of the Committee, and to Mr. H. P. Crossin on his return after being ill. The following new members were elected:—Mr. W. S. Oliphant, Ph.C., Castledawson; Miss M. B. McDermott, Church Street, Dromore, co. Tyrone; Eden Pharmacy, 48 Church Street, Portadown.

The following, who had been approved at a previous meeting, were admitted to Associateship:—*Ph.C's*:—Miss E. Lewis, Mr. W. T. Strahan; *Assistants*: Miss E. J. Burns, Mr. H. McKillen; *Apprentices*: Messrs. J. C. Dundee, W. R. Meighan, S. Nemtsov, and E. E. Richey. The Ministry wrote accepting the Society's nomination of Mr. C. A. Quinn (vice-president) to succeed Mr. P. R. W. Shinner on the Claims Tribunal.

### Officers Elected

Mr. John Caldwell, Chichester Street, Belfast, was unanimously elected *President*.



Mr. J. Caldwell

He was proposed by the outgoing president (Miss C. E. Culbert) and seconded by Mr. J. C. Acheson (a past-president), both of whom referred to the value of his services as a member of the executive Committee over a period of years. Acknowledging the honour, Mr. Caldwell said he was proud to take his place with

those who had worked so hard in the past on behalf of the retail pharmacist. He thought that there would be difficulties in the coming year in the shape of the new rota system, the averaging of payments under the Health Service, the proposed fee on Health Service prescriptions and the possibility of less money being spent by the public, but he was sure that all these would be surmounted. He paid a tribute to the work of Miss Culbert as president, the members of the Executive,

Miss Strachan (secretary) and her assistant (Miss King).

On the motion of Mr. Caldwell, seconded by Mr. John McGregor, Mr. C. A. Quinn, Belfast, was appointed *Vice-president*, the position previously filled by Mr. Caldwell. The following were re-elected:—*Treasurer*, Mr. W. J. Rankin; *Secretaries*, Messrs. E. A. Richey and W. McNabb; *Auditors*, Messrs. J. Wellwood and J. A. McRoberts. Other appointments were:—*Joint Council Representatives*, Messrs. Caldwell, Quinn, Richey and McGregor; *Associates' Committee representatives*, Messrs. Quinn and T. A. Gibson; *Emergency Committee*, Messrs. Caldwell, Quinn, Rankin, Richey, McNabb, R. Gibson, Acheson, T. A. Gibson, McGregor and Miss Culbert; *representatives, Northern Ireland Chemists' Federation Committee*, Messrs. Caldwell, Quinn, Acheson and Miss Culbert; *Representative, C. F. Council*, the president; *representatives, Belfast Chamber of Trade*, Mr. Acheson and Mr. W. H. Boyd; *representative, Ulster Tour Development Association*, Mr. Walter Tate.

A vote of thanks to the auditors was proposed by Mr. McGregor.

After the meeting the members were entertained to supper by the president, who welcomed the president of the Pharmaceutical Society of Northern Ireland (Mr. P. R. W. Shinner), the chairman of the Local Pharmaceutical Committee (Mr. H. W. Gamble), the chairman and vice-chairman of the Associates' Section (Mr. E. B. Williamson, Ph.C. and Miss Meneely, Ph.C.). In reply Messrs. Gamble and Williamson extended good wishes to the success of Mr. Caldwell's year of office as president.

A programme of entertainment was contributed by Messrs. A. Mawhinney, J. Paterson, D. Nelson, W. Dowie, M. Johnston, W. H. Boyd and A. Steede, who were thanked by Mr. Quinn.

**Lament for Liquorice.**—What has come of liquorice? Is there no Society called the Friends of Liquorice? Probably it is all being hoarded by a gang of bootlace manufacturers, against the day when there are no bootlaces left. Chesterton spoke of liquorice as not the least of the benefits we derive from the dark heart of Africa. — "Beachcomber," in the "Daily Express."

## SPEECH DAY AT SUNDERLAND

THE annual prize distribution of the pharmacy department, Sunderland Technical College, was held November 30. Mr. D. A. Wrangham, M.Sc. (Principal of the College), who presided, introduced Mr. F. H. Oliver, B.Sc., B.Pharm., Ph.C. (recently appointed head of the department).

### Annual Report

MR. OLIVER, in presenting the annual report, paid tribute to his two predecessors, the late Miss H. C. M. Winch and Mr. J. M. Rowson, and said his aim would be continued expansion of the department by full development of all resources. He thanked the staff for the way they had bridged the gap between the departure of Dr. Rowson and his own arrival. Two additional demonstrators (Mr. K. R. Hall, B.Pharm., Ph.C., and Miss S. Wilson, Ph.C.), had been appointed. During the present session the new aseptic dispensing laboratory had been a great asset. It was hoped that the construction and equipment of the new laboratories for pharmaceutical chemistry and for physiology and pharmacology would be completed during the present session. Mr. Oliver reviewed the enrolments for the various courses. The tendency of entrants to aim for the higher qualifications, noted in the previous annual report, was continued. A post-graduate course on the British Pharmacopoeia had been attended by fifty-six pharmacists. Practical instruction in aseptic dispensing as received by ten pharmacists, the maximum number for which laboratory accommodation was available. The analysis of essences compared favourably with the general average throughout the country. In spite of large classes and heavy teaching timetables, it had been possible to continue research work in the Department.

### Prize List

MR. F. R. C. Bateson, B.Pharm., Ph.C. Head of the biology and pharmacy department, Central Technical College, Birmingham, then presented the following prizes:—

(Second Year Course) *Hope C. M. Winch Memorial scholarship* and *First prize*: Messrs. R. Elder, J. A. Vickers; *Bleasdale prize*: Mr. W. Edmondson; *Evans Pharmaceutical prize*: Miss M. Walker; *Durham County Branch Chairman's prize* (1947-48): Miss J. Absalom; *Newcastle Branch prize*: Mr. J. A. Vickers; *Sunderland Branch Chairman's prize*: Mr. R. Elder; *Mawson Proctor Pharmaceuticals, Ltd., prize*: Mr. J. H. Mitchell. (Third Year Course) *First*

*prize*: Miss S. Wilson; *Sydney A. Gamlen prize*: Mr. W. Wake; *Wilkinson & Simpson, Ltd., prize*: Miss S. Wilson; *Tees-Side Branch prize*: Mr. S. G. Davison; *Hall, Forster & Co., Ltd., prize*: Miss E. V. Robinson; *Sunderland Branch, National Pharmaceutical Union prize*: Mr. R. G. Atkinson.

Mr. Bateson said that pharmaceuticals was the most important subject in pharmaceutical education. A new syllabus was being redrafted in which pharmaceutical chemistry, pharmacognosy and physiology would be so treated as to be wholly relative to pharmaceuticals and a good deal of superfluous material would be deleted. The redrafting and redistribution of subject matter, together with the lengthening of the time for the course, should ensure that, while there would be ample time to cover the ground, the student would have leisure in which to widen his general educational outlook and enjoy the social and cultural amenities of College or University. Pharmaceuticals, being the main subject of the curriculum, would be allotted more teaching time than any other subject. At the same time the training of pharmacists in Universities would be encouraged for those wishing to take higher posts in the hospital service, manufacturing industry, and for special branches such as research where a degree was essential.

A vote of thanks was proposed to the donors of the prizes, the speaker, and the chairman, by Mr. A. McGuckin, Newcastle, and seconded by Mr. R. Elder, Dr. Wrangham responding.

## N.H.S. REPORTS

THE following statistics are taken from recent annual reports of Pharmaceutical Committees:—

DEVON AND EXETER				Feb. 1949
Prescriptions	...	...	...	1,457,467
Paid to chemists	...	...	...	£229,660
Persons on doctors' lists	...	...	...	475,000
Administrative costs	...	...	...	£220
BIRKENHEAD				July 1948 June 1949
Prescriptions	...	...	...	556,000
Payments to chemists...	...	...	...	£96,000
WALES				January- April 1949
Prescriptions	...	...	...	4,699,140
Average prescriptions per form	...	...	...	1.49
Average prescription cost	...	...	...	34.4d.
Persons on doctors' lists	...	...	...	2,286,869
Payments to chemists	...	...	...	£673,593



## PHARMACY IN THE 18TH AND 19TH CENTURIES

At an evening meeting of the Pharmaceutical Society held at 17 Bloomsbury Square, London, on December 8, Mr. J. F. McNeal in the chair, MR. E. C. CRIPPS, M.P.S., gave an address entitled "Pharmacy in the 18th and Early Years of the 19th Centuries," of which the following is an abstract:—

At about the beginning of the 18th century many of the apothecaries (assistants to London physicians) were wealthy, travelling in the own carriages, while the physicians, their employers, were often obliged to walk; the two would meet often at an inn, where the physician handed to the apothecary his prescriptions, which then were known as "bills." The apothecary, after making up the bills, or more often getting his apprentice to do the work, took them in person to the patient. By his Charter he was entitled to "give supply and administer" such drugs, which implied that he had entry to the houses of patients. Patients who had to pay the physician and the apothecary began to object to the double burden and often employed the apothecary only.

### Advent of Chemists and Druggists

The druggists, a large body of traders even at the beginning of the 18th century, rapidly grew as the century advanced. In every town and village there was usually at least one druggist's shop. Drugs were sold there with mops, brooms, bacon, butter and "a thousand articles besides." The retail druggists, whenever they got the opportunity, dispensed the "bills" of the apothecaries. They usually had no knowledge of Latin, Chymists, or chemists, were the successors of the alchemists, but were never an incorporated body. They prepared chemical medicines, not very popular, which required the aid of fire. They also sold drugs—indeed, it was claimed that because of their manipulative skill they could dispense medicines more accurately than the apothecaries or druggists. Towards the middle of the 18th century a new class of drug-seller came into the picture, namely the dispensing chemist and druggist.

In London there were three dispensaries, where the poor, and sometimes the rich, obtained medicines prescribed by the physicians at practically cost prices. At these places physicians' "bills" were dispensed and medicines were sold by retail, the

dispensers being young apprentice apothecaries or others, and it was from the dispensers that the dispensing chemists and druggists emerged. The dispensing chemist and druggist as we know him today was not the lineal descendant of the apothecary or of the druggist or of the chemist, but a combination of all three, gaining his initial experience of his calling in the first instance from the physician.

### Successful Opposition to Bill

In July 1812, the Association of Apothecaries was formed. Its immediate object was to voice the members' grievances against the Government for imposing duty on glass as well as taxes upon drugs and other necessary commodities sold by them. The associated apothecaries prepared a Bill which contained clauses inimical to the interests of the chemists and druggists; consequently the standing committee of thirteen members, headed by William Allen and John Bell, father of Jacob Bell, got to work, and as a result the clause in the Bill, and eventually the Bill itself, was withdrawn, with the promise, however, of a new Bill in the next session. The Standing Committee of the chemists and druggists were able to insert into the Bill a cleverly drafted clause which gave them the right to continue trading in such and to do all things which they had done hitherto. On the acceptance of this clause the chemists withdrew their opposition and the 1815 Apothecaries Act passed.

The drugs stocked and used at the beginning of the 18th century may be ascertained by studying the pharmacopœias in use about that time. The old drug list issued by Silvanus and Timothy Bevan of Plough Court is one of the oldest if not the oldest, printed list in the country. There is a great preponderance of roots, herbs, barks, leaves and preparations made from them. The list of chemicals includes alum, arsenic, antimony and several of its salts, including tartar emetic, borax, calomel, cream of tartar, calamine, liquid ammonia, black and precipitated sulphurs, white vitriol, with nitric, sulfuric and hydrochloric acids.

By 1795 a great advance had been made in the nomenclature of drugs and medicines of the unverified preparations of previous pharmacopœias had been dropped, though one at least remained: L

zoar. In 1711 the first patent was granted for a medicine and in 1748 a list of more than 200 was published in the *Gentleman's Magazine* under the title "Pharmacopœia Empirica." The trade carried on in such articles became so extensive that in 1783 the Government considered them to be "very proper subjects of taxation" and the Medicine Stamp Duty was imposed by Act of Parliament. Two preparations which made their bow in this connection were Dover's powder (pulv. fac. co.) and James's powder. Dover's powder was invented by an adventurous captain, who before he went to sea had practised as a medical man. I have taken the information from the list issued in 1749 of a proprietary medicine firm, still well-known today. From the standpoint of the chemist of the period it must have been a very useful publication as all the medicines listed, to the number of 1550, were classed according to their suitability for different complaints, and from a close study of these we can get some idea of the daily troubles of our forefathers. There were 140 different articles for "bilious complaints," which run a dead-heat with disorders of the stomach and bowels." Preparations for colds, coughs and consumptions numbered 130; for "Hair, changing the colour of," there were 20, and for "Hair, removing superfluous" could be accomplished with five preparations. There were 31 remedies for toothache (spelled without the final "e"). Few perfumes were mentioned other than eau de Cologne and lavender water, for toilet powders and the like were not then sold by the chemist. Chemists' sundries were available in considerable numbers early in the 19th century.

#### 1000 Latin Labels

A list of 1834 gives some idea of the number of shop rounds, jars and drawers available, by including just on 1,000 labels in Latin for these and a further 1,700 styles of ornamental labels for packed drugs and dispensing. There are twenty different kinds of tooth-brushes, ranging in price from 3s. a dozen to those in solid ivory at 18s. a dozen. There is also a long list of the surgical instruments of the period, which includes the pre-chloroform and Lister age. There were fewer drugs to sell and dispense then, but often considerable trade was done of a heavier nature, such as the tangle of sheep dips, wines and spirits, colza, tallow and other oils for lamps, paints, agricultural manures, and the manufactur-

ing of mineral waters towards the end of the period under consideration.

Apprenticeship was practically the only gate through which a candidate entered the calling; there were no examinations and no schools where pharmacy was taught. Apprenticeship was usually for a period of seven years, a lad being bound over at about fourteen; when he became of age his bondage ceased. Premiums of from £100 to £250 were paid to the apprentice-master, who sometimes gave the lad a few shillings or so a week pocket money, but there was no rule in this respect.

Apprentices had to work hard. Most apothecaries in the early days and chemists and druggists in the later years of the period made their own galenicals, and such apparatus as percolators, water-baths of various sizes, evaporating dishes and even fairly large evaporating pans were to be found in the back-rooms or other places where the work was carried on. A large iron mortar, with spring or pulley pestle, was in almost every shop or warehouse. The energy spent in manipulating apparatus kept apprentices warm in winter, for few shops were heated.

#### Conditions of Work

Lighting was bad and hours of work were long, although not longer than they were in the days just before the first world war. In John Bell's pharmacy, as can be seen by the Rules, the house was open from 7 a.m. until 11 p.m., although no single assistant was necessarily on duty the whole time. A feature of the times was the all-day opening on Sundays, which persisted in some cases to recent years. And as for wages; it was indoors £40 a year, outdoors £100 a year. In about 1800 manufacturing laboratory workers were paid 4d. per hour for a 72-hour week, i.e., 24s. a week. The laboratory boys lived in and slept under the counter at night. There was no early closing day, but apprentices and assistants were allowed a few hours off during the week. Rules for assistants were fairly common in those days and fines were exacted in some cases. In the Plough Court pharmacy the partners, as well as the assistants, were fined for mistakes, the fines going to a pool, from which those assistants who had made no mistakes were paid various sums.

MR. J. C. HANBURY proposed a vote of thanks to the speaker, which was seconded by MR. H. DEANE.



## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

### 28 Essex Street, W.C.2, Dec. 14

THE markets for PHARMACEUTICAL and FINE CHEMICALS have seen a brisk demand during the past week from both home and overseas buyers. LACTOSE, B.P., has been increased in price by £10 per ton as from December 12 owing to rising costs of production; the last increase in the price of this product occurred seven years ago. Owing to a substantial rise in the cost of raw material makers have withdrawn prices of COCAINE and its salts; at present supplies are very short and we are advised that stocks are being reserved for hospitals only. Business in CRUDE DRUGS has been on a small scale. Most merchants are not anticipating an increase in trade this side of the New Year. Firm conditions prevail with a continuing shortage of several important drugs, among them TOLU BALSAM, RHUBARB and SANDARAC of which there are no supplies available on the spot and no offers for shipment. ERGOR is tending firmer as a result of a substantial export business in this article. There are no offers of Nicaraguan or Costa Rican IPECACUANHA. Cheap offers of QUASSIA have been cleared from the market and prices are inclined to be higher. GINGER is quiet; new-crop prices are at a lower level. CARDAMOMS now coming forward are easier. In ESSENTIAL OILS, Chinese ANISE is dearer. CITRONELLA is a firmer market. Business has been slow.

### U.S. Drug and Chemical Report

New York, December 9

A FEATURE of the FINE CHEMICALS market has been a reduction during the past week in the price of synthetic CAMPHOR, U.S.P., of 8 cents per lb. This product is at its lowest level for ten years; 2,000-lb. lots are now quoted at 45 cents per lb., and 100-lb. lots, 47 cents per lb. The cut in prices is attributed to the recent cheapness of Formosan natural camphor. The usual seasonal increase in demand for fine chemicals has not yet appeared although synthetic VITAMINS are commanding a good inquiry. In the CRUDE DRUGS market, activity is not very great although firm conditions prevail generally. SERPENTARY ROOT is nominally quoted at \$350 per lb., against \$2.75 previously. CASCARA SAGRADA is dearer by 2 cents per lb. and is now quoted from 34 cents. Easier conditions prevail in Sumatra BENZOIN on the spot (now 55 cents per lb.) and COPAIBA BALSAM (58 cents per lb.). Brazilian MENTHOL has been advanced by 10 cents to \$10.80 per lb., following several weeks of a downward trend. Inquiry for ESSENTIAL OILS has been moderate in extent and, in view of current shortages, prices have been maintained. Ceylon CIT-

RONELLA and LEMONGRASS are firmer markets, although shipping prices are low because of newcrop influences and a drop in European demand for these oils.

### Pharmaceutical Chemicals

ADRENALINE.—B.P. is quoted from 3s. 3s. 6d. per gm. for natural and 2s. 2s. 6d. for synthetic; racemic, 2s. per gm.

p-AMINO BENZOIC ACID. — Makers' prices are from 35s. to 38s. 6d. per lb. T. SODIUM SALT is 37s. 6d. to 41s. per lb.

AMMONIUM CARBONATE. — Lump, B. in 1-ton lots, packed in casks, is quoted £52 10s. per ton. BICARBONATE, B.P., 1-ton lots, packed in non-returnable drums is quoted at £40 per ton.

AMMONIUM CHLORIDE, B.P. — Stear Makers quote 1-cwt. lots at 9½d. per lb.

ATROPINE. — Steady. Makers' rates 1 oz. are: ALKALOID, 41s. 3d.; 4 oz., 40s. 9 25 oz., 40s. 3d. SULPHATE, 32s. 9d.; 4 oz., 32s. 3d.; 25 oz., 31s. 9d.

BARBITONE.—Rates per lb. are as follows:—1 cwt., 35s.; 28 lb., 36s.; 7 37s.; 1 lb., 38s. The SODIUM SALT is 1s. per lb. more than the base.

BENZOIC ACID. — Makers' quotations B.P. quality are from 2s. to 2s. 10d. lb., as to quantity.

BENZYL BENZOATE. — Makers offer B grade at from 4s. 3d. to 5s. per lb.

BETANAPHTHOL. — Makers quote price from 2s. 9½d. to 3s. 1½d. for B.P. quality packed in 28-lb. packages.

BROMIDES.—Makers' rates in the United Kingdom and Eire for POTASSIUM, P. (crystal) and SODIUM, B.P., are as follows:—5 cwt., 2s. 4d.; 1 cwt., 2s. 5 28 lb., 2s. 11½d.; 14 lb., 3s. 2d.; 7 3s. 3d. per lb. The potassium salt powder is 1½d. per lb. more than the former going prices. AMMONIUM, B.P.C., is per lb. more than the potassium; sodium salts. Terms: Prices net. 1-cwt. cases or kegs charged; 28-lb. parcels from smaller containers charged extra. Scheduled quantities may be made up of assorted salts down to 28 lb.

α-BROMISOVALERYLUREA. — Quotations are 41s. to 47s. 6d. per lb. In good request.

BUTOBARBITONE. — Makers' prices small quantities are from 73s. per lb.

BUTYL CHLORAL HYDRATE.—Merchants asking from 17s. 6d. to 20s. per lb., as quantity.

CALAMINE.—1-cwt. lots are now quoted at 1s. 9d. per lb.

CALCIFEROL.—1 kilo is quoted at 7s. per gm.; 500 gm., 7s. 7d. per gm.; 100 gm., 7s. 8d.; less than 100 gm., 7s. 9d. Supplied in 25 gm. ampoules.

**CALCIUM SUCCINATE.**—In good request; quotations are from 9s. 6d. to 12s. 6d. per lb. as to quantity. **SUCCINIC ACID** is from 8s. 6d. to 11s. 6d. per lb.

**CHLORAL HYDRATE.**—Current rates per lb. for the home trade are: 1-cwt. lots, 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

**CHLORAMINE.**—B.P. grade is from 2s. 5d. 2s. 9d. per lb. and 98 per cent. technical 2s. 2½d. to 2s. 5d. per lb., according to ality.

**CHLOROXYLENOL.**—B.P. quality is quoted 5s. 6d. per lb. in 1-cwt. drums.

**CHOLESTEROL.**—In 1-kilo lots, pure about 126s. per kilo; 75 per cent. is s. and 50 per cent., 80s. 3d. per kilo.

**CINCHOPHEN.**—Weak market. Prices are from 25s. to 30s. per lb., as to quantity.

**CRESOL.**—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex lers' premises.

**CYCLOBARBITONE.**—Makers' prices for all quantities are from 79s. 5d. to s. 11d. per lb. The **CALCIUM** derivative available at the same prices as the base.

**EMETINE.**—The **HYDROCHLORIDE** in 32-lots is now 215s. per oz.; 16-oz., 7s. 6d.; 4-oz., 220s.; 1-oz., 227s. The **SMUTH IODIDE** in 32-oz. lots is now 2s. per oz.; 16-oz., 113s. 6d.; 4-oz., 115s.; 1-oz., 116s. 6d. **PERIODIDE** is quoted at 0s. per oz. in 16-oz. lots; under 16 oz., 0s. per oz.

**EPHEDRINE.**—Makers' rates per oz. are follows: **ALKALOID**: 1 oz., 11s. 9d.; 100 oz., 11s. 6d.; 25 oz., 11s. 3d.; 50 oz., s.; 100 oz., 10s. 9d. **HYDROCHLORIDE** and **PHATE**: 1 oz., 8s. 3d.; 16 oz., 8s.; 25 s. 7s. 9d.; 50 oz., 7s. 6d.; 100 oz., 7s. 3d. sorted contracts may be booked for quantities of not less than 100 oz. over six nths. Containers: 50 oz. or more, free; 1-oz. lots carriage paid.

**GUAIACOLS.**—Liquid is offered at prices from 14s. 6d. to 16s. 6d. per lb., and **CRYS-** and **CARBONATE**, 14s. to 15s., according quantity.

**GLYCERIN, B.P.**—Prices are steady. Current rates per cwt. are as follows:—

Contracts or spot lots of	Under 1 cwt.	1 cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt and under 20 cwt.
Minimum deliveries off contract of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.
As:	s. d.	s. d.	s. d.	s. d.	s. d.
lb. ..	156 6	152 0	151 0	148 0	147 0
lb. ..	153 6	149 0	148 6	145 6	144 6
lb. ..	150 6	147 0	146 0	143 0	142 0
Drums:					
wt. ..	—	136 0	135 0	132 0	131 0
cwt. ..	—	—	133 0	130 0	129 0
wt. ..	—	—	—	129 6	128 6
cwt. ..	—	—	—	—	128 0

1 ton and under 5 tons (minimum deliveries off contract of 5 cwt.), 14-lb. tins, 143s.; 28-lb., 140s. 6d.; 56-lb., 138s. 1-cwt. drums, 127s.; 2½-cwt., 125s.; 5-cwt., 124s. 6d.; 10-cwt., 124s. 5 ton and upwards (minimum deliveries off contract of 10-cwt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; 56-lb., 136s. 6d.; 1-cwt. drums, 125s. 6d.; 2½-cwt., 123s. 6d.; 5-cwt., 123s.; 10-cwt., 122s. 6d. Extra charges are levied for smaller deliveries, ex contract, from 6d. to 2s. per cwt., according to quantity. Refined pale straw industrial glycerin is 5s. per cwt. less than chemically pure. Terms: Carriage and delivery paid. A discount of 2½ per cent. is deducted if paid in one month, or on buyers' regular monthly pay day in the month following delivery; afterwards net. Tins and cases free (not returnable). Drums loaned and invoiced at sellers' current rates and credited in full if returned within four months, carriage forward and in good condition.

**HEXAMINE.**—B.P. is offered at from 1s. 8d. to 2s. per lb., as to quantity.

**HEXYLRESORCINOL.**—B.P.C. material is quoted at from 175s. to 200s. per lb.

**HOMATROPINE.**—Makers' prices per oz., are as follows (prices per gm. in brackets): **ALKALOID.**—1 oz. 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.) **HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.**—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

**LACTOSE.**—English is dearer by £10 per ton. 5-ton lots in 2-cwt. non-returnable kegs is £130 per ton; 10-cwt. lots, £133 10s. per ton; less than 10-cwt., £135 per ton. In 1-cwt. non-returnable kegs prices are 1s. more, and in 1-cwt. paper-lined bags, 5s. per cwt. less than the above rates.

**ORTHOCAINE.**—Quotations are from 120s. to 125s. per lb., as to quantity.

**PANCREATIN.**—Price of B.P. material is from 13s. 6d. to 16s. 6d. per lb., according to quantity.

**PARALDEHYDE.**—Quotations for B.P. material are unchanged as follows:—5 carboys, 1s. 6d. per lb.; 1 carboy, 1s. 7d.; in winchesters, from 1s. 8½d. to 2s. 0½d.

**PILOCARPINE.**—A firm market. **ALKALOID** is now quoted at from 41s. (25-oz.) to 42s. 3d. (4-oz.) per oz.; **HYDROCHLORIDE** is from 38s. to 39s. 3d. per oz., and **NITRATE**, from 36s. 6d. to 37s. 3d.

**SILVER SALTS.**—Steady. **NITRATE** in 1,000-oz. lots is quoted at 3s. 5½d. per oz. **PROTEIN, B.P.** (8 per cent.), in 14-lb. tins, is 36s. 3d. per lb. **VITELLIN, B.P.C.**, 20 per cent., is 66s. per lb. (14-lb.); 30 per cent., 88s. per lb.

**SULPHUR.**—A firmer market. **PRECIPITATED, B.P.**, in minimum 10-20-cwt. lots, is quoted at 90s. per cwt., packed in free casks.

**THYMOL, B.P.**—Makers' prices are from 19s. 3d. to 20s. 3d. per lb., as to quantity.



## Crude Drugs

**ACONITE.**—Steady. Indian, on the spot, quoted at 260s. to 265s. per cwt.; *napellus*, 4s., duty paid, nominal.

**AGAR.**—Market quiet. Kobé No. 1 strip is quoted at 16s. per lb., duty paid; in bond, 15s. No. 2 is 14s. 9d. per lb., duty paid.

**ALOES.**—Generally, 117s. 6d. per cwt. is asked for Cape aloes on the spot, but there is a seller at 115s. Curaçao is unchanged at from 230s. per cwt.

**ANISE (STAR).**—A parcel is offered at 145s. per cwt., duty paid; business has been done at 137s. 6d. per cwt., in bond.

**ANTIMONY.**—Prices for metal are: 99.6 per cent. regulus, £195; 99 per cent., £185 per ton, delivered.

**ARECA NUTS.**—Steady. Spot offers are from 57s. 6d. to 60s. per cwt.

**ASAETIDA.**—Steady and quiet. Persian block on spot is offering at prices from £14 10s. to £24 per cwt., as to grade.

**BALSAMS.**—*Canada* is offered at from 14s. 9d. to 17s. 6d. per lb. *Pará Copaiba* is 8s. per lb., duty paid; 7s. 6d. in bond. San Salvador *Peru* is from 6s. 3d. to 6s. 6d. per lb., duty paid. *Tolu* is nominal at 17s. 6d. per lb., spot.

**BELLADONNA.**—Jugo-Slav root (0.45 per cent.), 4s. 3d. per lb., duty paid; Italian root, quoted at from 3s. 6d. to 3s. 9d. per lb., duty paid. Jugo-Slav herb is offering at 6s. 6d., duty paid. English leaves, quoted at 4s. 6d. per lb.

**BENZOIN.**—A firm market. Sumatra block on the spot is from £18 10s. to £19 10s. per cwt., as to holder. Siam almonds are offered at from 20s. to 21s. per lb., spot.

**BLACK HAW.**—Root bark is offering at 6s. per lb., duty paid, spot London; tree bark, 3s. 3d., duty paid.

**CAMPHOR.**—Chinese tablets (¼-oz.) are quoted at from 6s. 6d. to 7s. per lb., duty paid; refined natural powder (B.P.), business done at 5s. 6d. per lb., duty paid, spot London, and B.B. grade may be had at 5s., duty paid. English sublimed flowers (B.P.) are 5s. 9d., and English synthetic, 5s. 6d. per lb., in 1-cwt. lots.

**CASCARA SAGRADA.**—Supplies on the spot are small. 1949 is quoted at 275s. per cwt., duty paid, and 1947 at 280s., duty paid.

**CHERRY BARK.**—Thin natural, on the spot, is about 2s. 3d. per lb., duty paid.

**CLOVES.**—Quiet. Zanzibar on the spot is from 1s. 5d. per lb.; December-January shipment, 1s. 4d., c.i.f. Madagascar in bond is 1s. 5d. per lb.

**COLOCYNTH.**—White pulp (B.P.) on spot is 2s. per lb.; to arrive, 1s. 9d., landed.

**ELEMI.**—Manilla No. 1 is quoted at 1s. 9d. per lb., on the spot.

**ERGOT.**—Portuguese is firmer at origin on the spot, 24s. to 24s. 6d. is asked although there is still a seller at a lower price.

**GENTIAN.**—French natural on the spot is quoted at from 70s. to 72s. 6d.

**GINGER.**—African on the spot is quoted at 350s. per cwt.; new-crop, February-April shipment, 250s., c.i.f. Jamaican on the spot is 355s. per cwt.

**GUAIACUM RESIN.**—Spot quotations are at 3s. 6d. per lb.

**GUM ACACIA.**—Kordofan cleaned sort on the spot, offered at 88s. per cwt., spot London or Liverpool; January-February shipment, 81s. 6d., c.i.f. Bleached gum 125s., spot. Talha is 50s. per cwt., on spot shipment, 45s., c.i.f.

**GUM DAMAR.**—Singapore on the spot, quoted at 225s. per cwt. for No. 1 and 185s. for No. 2.

**HENBANE.**—B.P. herb (*niger*) on spot is quoted at 4s. 3d. per lb.

**IRISH MOSS.**—White carrageen is on offer at 85s. per cwt., spot.

**JALAP.**—Vera Cruz with a test of 1 per cent. resin is offered at 4s. 3d. per lb. spot.

**KOLA NUTS.**—African quarters, 6d. p. lb.; halves from 2½d. to 4½d. Jamaican washed halves, 3½d. per lb.

**LANOLIN.**—Steady. B.P. anhydrous, £120 per ton; hydrous, £90. Superfine anhydrous is quoted at £126 per ton.

**LIQUORICE.**—Anatolian natural root on the spot is from 55s. per cwt.; shipment, 50s., c.i.f. Syrian natural is short from 40s. to 45s., spot; cut, 55s. per cwt. Turkish block is quoted at from 160s. to 230s., duty paid, according to holder. Turkish stick is from 300s., duty paid. Italian stick is from 270s. to 475s. p. cwt., duty paid, as to grade.

**LYCOPodium.**—Russian triple-sifted on the spot is quoted at from 10s. 6d. to 14s. per lb., according to holder.

**MACE.**—West Indian blade is offered at 6s. per lb. on the spot; pickling are from 2s. to 5s., as to quality.

**MASTIC.**—Tears (No. 2) are offered 13s. 6d. per lb., ex wharf.

**MENTHOL.**—Quiet. Brazil is quoted from 82s. 6d. per lb., spot, duty paid and 79s. per lb. in bond; December-January shipment, 86s., c.i.f., nominal. Chinese affoot, 87s. 6d. per lb., c.i.f.

**OUASSIA.**—Chins on the spot are quoted firmer at from 35s. per cwt.

**SEEDS.**—Turkish ANISE, spot London is offered at 165s. per cwt., in bond; Cyprus for shipment is 200s. per cwt., c. London. CARAWAY.—Dutch is unchanged at 112s. 6d. per cwt., duty paid, spot London. CELERY.—Market remains firm with very little stocks available. Indian spot London, is 1s. 5d. per lb.; nominal quotation for French is 2s. per lb., c. London. CORIANDER.—Market continues

m, although business has been reported at lower prices than those quoted last week. Morocco is 82s. 6d. per cwt., duty paid, and 75s. per cwt., in bond, spot London. Argentine (whole seed) is 75s. per cwt., duty paid, spot London; split seeds, 85s. per cwt., duty paid, spot London or Hull. CUMIN.—Market steady. Cyprus is short supply, 190s. per cwt., quoted on spot. Morocco is 165s. per cwt., duty paid, and 160s. per cwt., in bond, spot London. Liverpool. Indian is reported sold at 55s. per cwt., spot London. DILL.—Indian remains firm at 62s. 6d. per cwt., spot London; for shipment, 57s. 6d. per cwt., c.i.f. London, for 4 per cent. admixture quality. FENNEL.—Indian on spot has been sold at 72s. 6d. per cwt. in London; 68s. 6d. per cwt., quoted, c.i.f. London. FENUGREEK.—Market firm. Morocco has been sold at 57s. 6d. per cwt., duty paid, spot London. Indian is quieter at 5s. 6d. per cwt., spot London.

SENEGA.—Spot quotations are from 8s. 6d. to 10s. 9d. per lb.

SENNA.—Tinnevely leaves, spot, No. 1, from 93d. to 11d. per lb.; No. 2, 73d. to 1d.; No. 3, 6d. per lb.; Tinnevely pods, selected, nominal; ordinary hand-picked, 1. to 1s.; manufacturing, 5d. to 6d. Alexandria pods, hand-picked, spot, from 1. 9d. to 5s. 9d. per lb., nominal; medium grades are offered at from 2s. 6d. to 3s. per lb.; manufacturing, 8d.

SQUILL.—Italian is offering at 57s. per cwt., spot; for shipment, 45s. to 50s., c.i.f.

STYRAX.—Crude is quoted at from 7s. per lb., spot, duty paid.

TONKA BEANS.—Pará for shipment are quoted at 6s. 3d. to 6s. 6d. per lb., c.i.f.

TRAGACANTH.—Steady. Selected white rhon is quoted at £115 per cwt.; other white grades on the spot are offered at from £65 to £100 per cwt.

TURMERIC.—Madras finger is offered at 20s. per cwt., spot; Rajavore finger, 20s., spot.

VALERIAN.—Belgian natural on spot is quoted at 185s. per cwt.

WAXES.—Dar-es-Salaam BEES' is unchanged at 370s. per cwt., spot; shipment, 2s. 6d., c.i.f., nominal. Benguela on the spot is 330s. per cwt. in bond and 365s., out, duty paid; shipment, 330s., c.i.f. India is offered at 365s. per cwt., spot; shipment, 355s. 6d., c.i.f., nominal. CANDELLA.—On the spot, 435s. per cwt., quoted; January delivery, 430s., ex warehouse. CARNAUBA.—Prime yellow is 900s. per cwt., spot; shipment, 890s., c.i.f. Fatty acid is offering at 665s. per cwt., spot; shipment, 660s., c.i.f. MONTAN.—Reiback is quoted at 180s. per cwt., spot; forward, 55s., c.i.f. OURICURI.—Supplies remain scarce. 3.6 per cent. impurities on the spot is 650s. per cwt.; 99.5 per cent. pure, for shipment, is quoted at 660s. per cwt., c.i.f.

## Essential and Expressed Oils

ALMOND.—English-expressed sweet oil (B.P.) is from 4s. 6d. to 5s. 3d. per lb.; Spanish is available at from 3s. 3d. to 4s. 6d., as to grade. Bitter, on the spot, is from 30s. to 60s. per lb., as to grade.

ANISE.—A firmer market. Chinese star is now quoted at from 9s. per lb. for drums and from 9s. 3d. in tins in cases, spot. From Hong Kong, December-January shipment, 9s. 4½d., c.i.f., quoted.

BERGAMOT.—Italian, shipment, 32s. per lb., c.i.f., nominal.

BOIS DE ROSE.—Quotations are from 24s. to 26s. per lb.; forward, 21s. 6d., c.i.f.

CALAMUS.—Offers of English-distilled are from 100s. to 150s. per lb. Dutch is quoted at from 65s. to 69s. per lb., landed, duty paid.

CARAWAY.—English-distilled is offered at from 36s. to 40s.; imported, 26s. to 28s. per lb., as to quantity.

CASSIA.—Nominal on the spot; afloat is quoted at 16s., c.i.f. From Hong Kong, 17s. 6d. per lb., c.i.f.

CITRONELLA.—Firm. Ceylon on the spot is nominal at 8s. per lb.; December-January shipment, 7s. 3d., c.i.f., buyers. Java on the spot is nominal at 18s., spot; firmer at origin.

PALMAROSA.—Spot quotations are from 40s. per lb.; shipment, 40s., c.i.f.

PEPPERMINT.—English-distilled is offered at from 200s. to 225s. per lb. Chinese (dementholated *M. arvensis*) is quoted at from 41s. to 44s., c.i.f. Italian *piperita*, for shipment, 65s. per lb., c.i.f.

PIMENTO BERRY.—English-distilled oil, from 65s. to 70s. per lb. and upwards as to quantity; West Indian leaf is 11s. 6d. per lb., spot.

ROSEMARY.—Spanish on spot is offered at 6s. 6d. to 8s. per lb., as to grade; Dalmatian, 5s. 6d.

SAGE.—Dalmatian is offered at prices from 12s. 6d. per lb., spot.

SASSAFRAS.—Brazil on spot is quoted at from 5s. to 5s. 6d. per lb.

SPEARMINT.—Foreign, for January delivery, is quoted at from 35s. to 40s. per lb., duty paid, according to quantity.

TEREBINTH.—Quotations for B.P. oil are from 1s. 6½d. to 1s. 10½d. in winchesters, and 1s. 5d. per lb. in carboys.

THYME.—Steady. Red oil (40-42 per cent. phenols), 10s. 6d. to 12s. 6d. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

TI-TREE.—Quotations are from 6s. 6d. to 8s. per lb., according to quantity.

VALERIAN.—English-distilled oil is quoted at 75s. per oz.

VETIVERT.—Bourbon on spot is quoted at around 90s. to 95s. per lb., as to grade.

YLANG YLANG.—Bourbon on the spot is quoted at from 70s. per lb.



## TRADE MARKS

(From the "Trade Marks Journal,"  
November 23)

For all goods (5).—"ENTACYL"; by The British Drug Houses, Ltd., London, N.1; 679,172. "VINYDAN"; by H. Lundbeck & Co., Copenhagen; 679,863. "AVBACAL" and "AVPURCAL"; by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1; 680,451-52. "KARSO-CHIEFS"; by E. Griffiths Hughes, Ltd., Manchester; 680,757. "NEUTRADONNA"; by British Schering, Ltd., London, W.1; 681,246.

For syringes for medical, surgical and veterinary purposes (10).—"VERDIC"; by the Medical Supply Association, Ltd., London, W.C.1; 680,969.

For toilet paper (16).—"CELTEX"; by Southalls (Birmingham), Ltd.; 679,771.

For brushes (21).—Circular device; by Johnson & Johnson (Gt. Britain), Ltd., Slough; 680,427.

For rubber gloves (21).—"MIMOSA"; by J. Allen Rubber Co., Ltd., Cheltenham; 680,694.

(From the "Trades Marks Journal,"  
November 30)

For industrial chemicals (1).—"SANTOCEL" and "SANTOMERSE"; by Monsanto Chemical Co., St. Louis; 650,661 and -63.

For industrial scientific and photographic chemicals (1) and for detergents (3).—Geometrical design; by Redline-Glico, Ltd., London, S.W.1; 674,535.

For photographic chemicals (1).—"ADMEL"; by Associated Drawing Materials & Equipment, Ltd., S.W.1; 680,310.

For non-medicated toilet preparations (3).—"MAURE"; by Afkaps, Ltd., Maidstone; 674,632. "RINSTEAD"; by Warwick Brothers, Ltd., London, N.1; 680,758. "LIQUINET"; by Charles Roy Hand Firth, London, W.1; 681,220.

For hair-growing preparations (3).—"ECLIPSOL" on label device including heads of boy and girl; by C. A. Stokes & Co., Ltd., Bristol; 678,666.

For dentifrices (3).—"AMUREN"; by Associated Dental Products, Ltd., Purton; 678,408.

For soaps and detergents (3).—"SUBSO"; by Coggan & Pearson, Ltd., London, E.C.1; 678,732.

For all goods (3).—"FRINCE"; by Sybil Dorothy Furniss, Leeds; 681,748.

For all goods (5).—"ADIGAN"; by Gedeon Richter (Gt. Britain), Ltd., London, N.W.5; 678,615. "OCTADREN"; by Ward, Blenkinsop & Co., Ltd., London,

W.1; 680,204. "LACTALUMINA"; by th Crookes Laboratories, Ltd., London N.W.10; 681,115. "CAMDOMINAL" and "CAMDOPULMIN"; by Camden Chemical Co., Ltd., London, W.C.1; 681,298-99.

For veterinary preparations (5).—"DIAGRIN"; by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1; 679,212.

For preparations for sterilising air (5).—"BACTAPRYL"; by Bacterol, Ltd., London, W.C.2; 680,909.

For pharmaceutical preparations (5).—"VAGIFLAV"; by Boots Pure Drug Co. Ltd., Nottingham; 681,351. "PAMICYL" by Gee Lawson Trading Co., Ltd., London, W.1; 681,596. "CRONETAL"; by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1; 681,680. "DISECRON" by British Schering, Ltd., W.1; 682,18.

For surgical, medical and veterinary instruments and apparatus (10).—"THERMOTHEsia"; by William Hope, London S.W.9; 681,687.

For non-medicated toilet paper (16).—"KLARZONE"; by the Disinfectant Supply Co., Ltd., Preston; 680,439.

## FIFTY YEARS AGO Women Dispensers

(From the C. & D., December 16, 1899)

In the earlier days the women dispenser were nearly all known to each other, and in little social gatherings, over which the memory lingers pleasantly, difficulties were talked over and solved. Then, as more women came in and spread themselves over the country, it was impossible to keep touch with all; but in many cases free centres were formed, where the same informal mutual help was given and received. Now it is being asked if this is the time for joining these centres into an association for women dispensers only. Well, personally, I think not. Among the major there is no strong feeling in favour of. The women dispensers are too few in numbers—too scattered—and many of the holding small posts, yielding proportionately minute salaries, do not look upon dispensing as a life-long pursuit, but regarding their appointments as stepping-stones to something more lucrative pass out on other callings. Thus there would be difficulty in keeping up sustained interest and a sufficient number of staunch, permanent members. I doubt whether, if an association were formed, it would have a long life.—R. M. (in a letter to the Editor).



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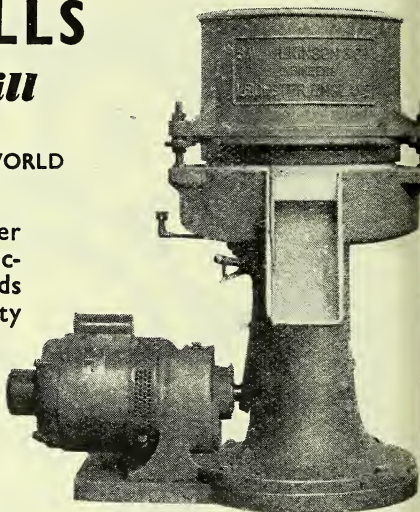
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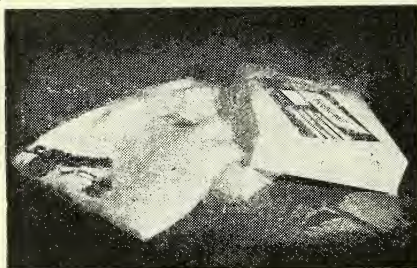
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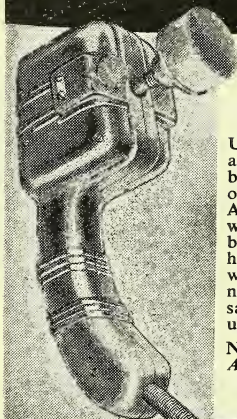
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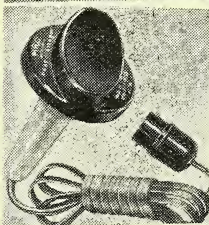
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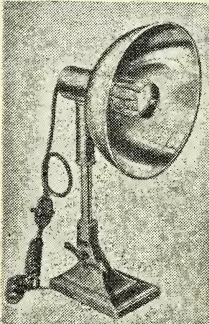
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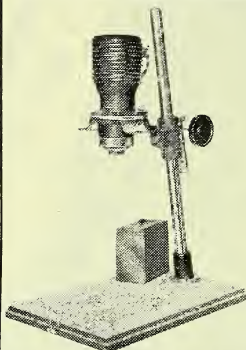
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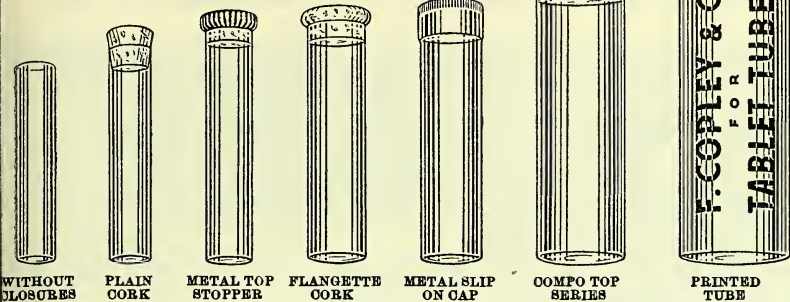
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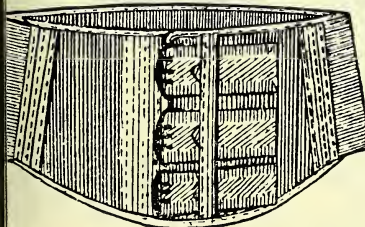
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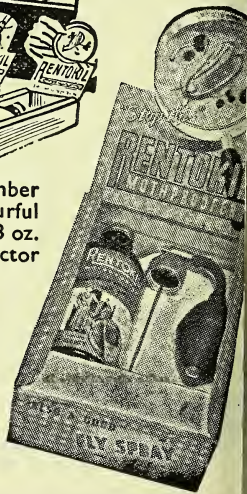
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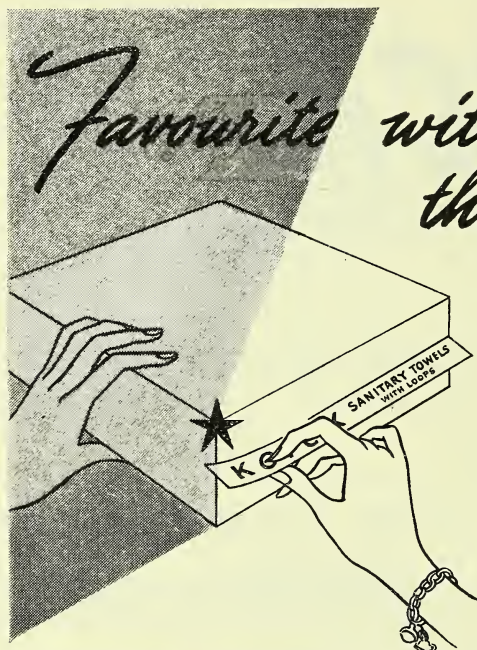
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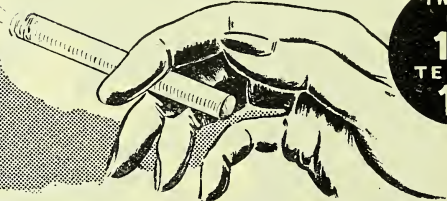


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...and another customer is helped and relieved by Surama Medicated Cigarettes whose soothing vapours get right at the source of respiratory complaints. Surama Cigarettes contain healing herbs and benign drugs. Order small lots from your wholesale house or minimum three dozen bonus display parcel, with show material direct from the manufacturers.

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capsules for the treatment of colds, chilblains and circulatory deficiency.

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capsules—a multi vitamin capsule correcting dietary deficiencies and enabling a properly balanced vitamin intake.

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It is only by continuous display that you will discover just how large 'ASPRO' demand is to-day. For the 'ASPRO' public grows ever greater. 'ASPRO' is proof against any "ups and downs" in the market—changes in purchasing power, fashions or habits. The success of 'ASPRO' is reaching unique proportions simply because it is a good product which more than fulfils its claims, and which is well, widely and persistently advertised.

## 'ASPRO' BAGS— PRICES REDUCED

We are passing on to you the full benefit of the lower production costs of paper bags:—

**GREASEPROOF** (formerly 9/- per 1,000)  
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## AN ELECTRIC CLOCK AT COST PRICE—£3

We are now able to supply you with a precision-made Smith's "Sectric" clock for use in your shop or window—size  $13\frac{1}{2}'' \times 10\frac{1}{2}''$ . It is a quality job, elegant and modern in appearance and an excellent timekeeper. We urge you to take advantage of the opportunity while supplies are available at this exceptionally low price.

NOTE:—THESE CLOCKS ARE NOT SUITABLE FOR USE ON D.C. MAINS, BUT IN SUCH CASES WE CAN SUPPLY AN 8-DAY SMITH'S LEVER-MOVEMENT CLOCK AT £3.15.0.

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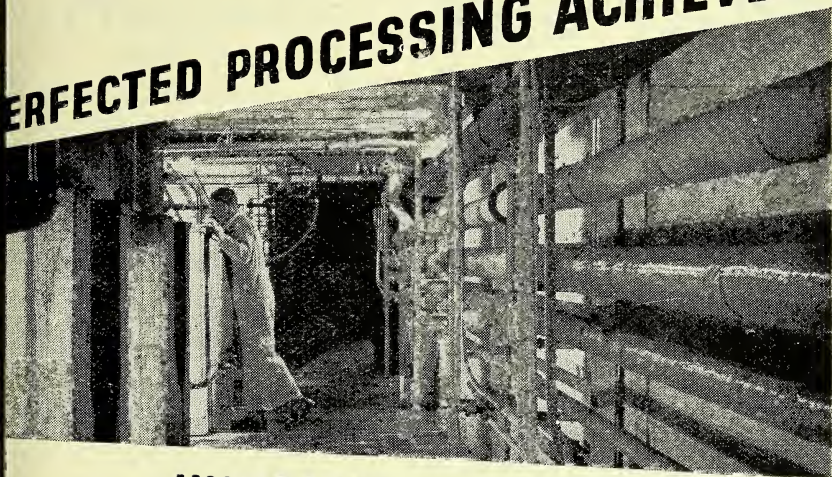
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The illustration shows fresh fruit juice being piped to the processing rooms at the new Carter Royal Forest Factory at Coleford, Glos. Processing is carried out under the watchful supervision of a team of qualified chemists working under the guidance of Dr. V. L. Charley, B.Sc. Exacting routine tests are made at all stages of production. It is most important that a product like Ribena—of basic nutritional and prophylactic importance, relied upon by doctors to provide essential factors in definable quantities—should not vary, ever, in quality. And Ribena doesn't.

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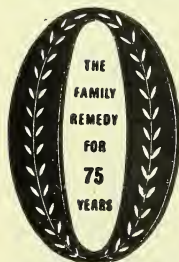
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**Y**ES, we mean it. We treat corks as mere bottle-fodder—brutally stamp out every vestige of individuality, in quality or dimensions. We are notorious for reducing corks to the state of unbelievable uniformity.



Boiled alive. . .

The Nazi press-gang had nothing on us. We ruthlessly rip the bark from Spanish cork-oaks, boil, scrape, and press it, then shut it in the "hot-box." When thoroughly cowed, we punch thousands of corks out of it. These are then subjected to a series of fiendish torture: tapering, bevelling, sanding, notching, steaming—even branding! If after all this there is still 1/63rd of an inch of individuality about a cork—off it goes to be ground up into products. Sometimes only 5 per cent of a whole batch survive to become corks of our Grad quality.

If you feel as callous as we do about corks, we want them to be absolutely *alike* in quality and size—just let us know, by letter or telephone, to Armstrong Cork Co. Ltd. (Closure Division), Kingsbury, London, NW 9. Tel: Colindale 7000. Scottish Branch: 5 Oswald Street, Glasgow C.1. Tel: Central 5703.

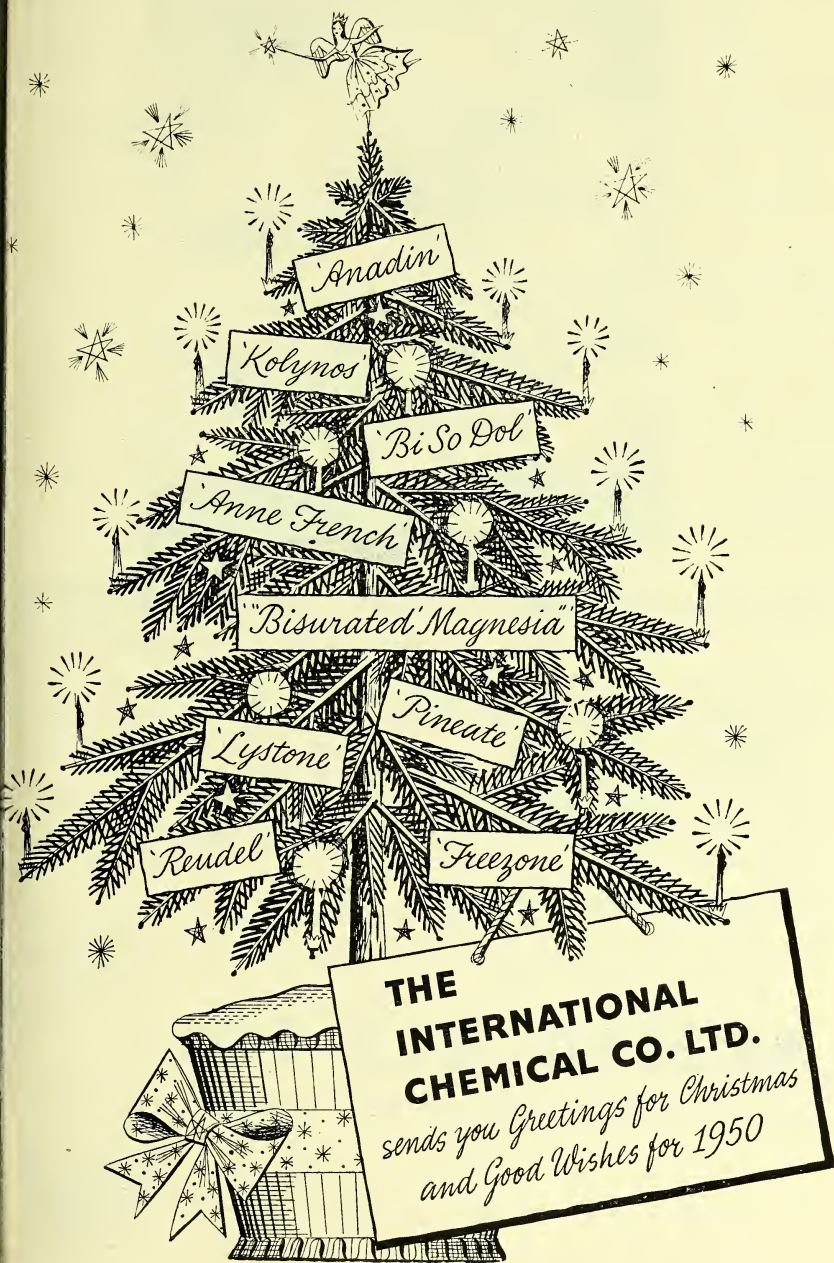
**FREE ON REQUEST.** The handy Armstrong string of Standard Cork sizes shows at once what size you want—whether for dispensing or for ordering supplies. May we send you one?

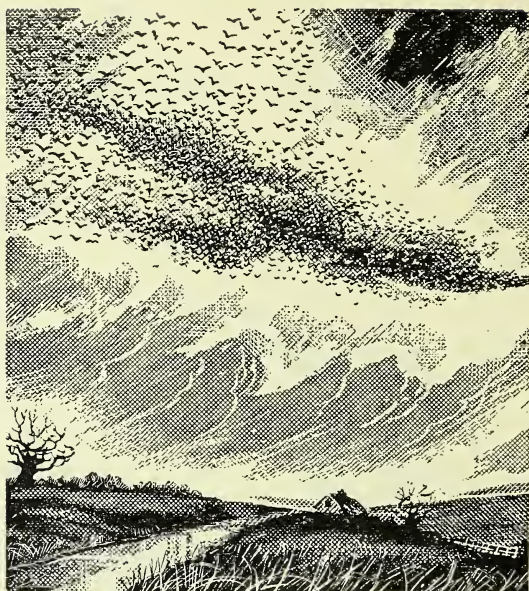


## ARMSTRONG'S CORKS

CORKS • CROWN CORKS • MOULDED CORKS







## FINDING SUMMER ELSEWHERE *when the 'Cold Season' approaches*

At this time of year when birds make an easy escape to warmer climes, your work-a-day customers cannot likewise take wing at a moment's notice to avoid winter colds. For many years now Serocalcin has been recognised as the most successful treatment for clearing this common complaint.

The new Serocalcin showcard prominently displayed on your counter will constantly remind customers of the need to purchase. Write to us to-day if you have not yet received this valuable Sales Aid.

- Pharmacists are reminded that the sole selling Agents for Serocalcin are J. C. Eno Ltd., Watford, Herts (Watford 7761), to whom all orders and enquiries should be sent.

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### IRELAND

Our Mr. McLachlan has just returned from trip to Belfast and District and has inspected retail businesses, details of which are set hereunder. The concerns are worthy of attention, and particulars will be supplied to nine buyers upon request.

**Halstown, near.** General retail business with wireless connection. Total takings, including N.H.S., around £300 per month. Comfortable living accommodation over in good condition. Renewable lease available at under 30s. p.w. Valuable National Cash Register. Good saleable stock. Vendor emigrating. Price offered £700 s.a.v. Visited and recommended.

**East.** Branch business for disposal. Good site. Fittings and fittings probably worth £1,000. Incoming takings exceed an average of £100 p.w., including dispensing. Storage space over which could be converted to living accommodation. Very valuable lease. Rent only £3 p.w. Total purchase price to include lease, goodwill, stock and fixtures, £6,500. Stock guaranteed to be worth £600.

**West Midlands.** Substantial business and property for disposal. Splendid living accommodation. Turnover over £15,000 p.a. Price required for property, goodwill and fixtures, £21,000 s.a.v. Banker's reference with application for details.

**Dulwich.** Drug store with freehold property for sale. Scope for pharmacist. Turnover of about £55 p.w. Certified net profit £611 last year. Comfortable living accommodation over. Price for freehold property, goodwill and fixtures, £2,850, plus stock. A substantial mortgage could be raised on the property.

**Portsmouth, near.** Health reasons necessitate disposal of increasing business. Rent £108 p.a., less sublet 27s. 6d. p.w. Renewable lease. Turnover this year should be not less than £3,500 with a net profit of £700. Total purchase price to include valuable lease, goodwill, stock and fixtures, £2,000.

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per 36 words (min.) then 4d. per word. Box 2/-

High-class drug store in pleasant seaside main road position; splendid chance for sale. Turnover £2,500, increasing. Corner shop house. Price, including freehold property, £1,000. Every investigation courted. Apply "mine," Box C 5195.

**DRUG PHARMACIST** situate in residential dispen- sary without opposition. Large modern shop excellent flat over. Trade £60 p.w., capable of increase. 11 years' lease at £130 p.a. Purchase price of £3,500 s.a.v. includes all equipment and some domestic items. Apply: Findlay & Co., 166 Coombe Lane, Raynes Park, Wembley, Middlesex. C 1284

### APPOINTMENTS

per half-inch (min.) and pro rata. Box 2/-

#### WELLHOUSE HOSPITAL, BARNET, HERTS

**ASSISTANT IN DISPENSING** required. Applicants should possess the Apothecaries' Hall Certificate. Salary according to experience. Applications, with full necessary details, to Medical Director at the Hospital. C 5179

#### BARNET GROUP HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the post of **ASSISTANT PHARMACIST** at Wellhouse Hospital, Barnet. Immediate vacancy. Salary on scale £425 by £25 to £525 per annum. The minimum salary of £425 is linked to age 23. £25 p.a. less for each year below that age. Applications, stating age, experience and qualifications, should be sent to the Medical Director, Wellhouse Hospital, Barnet, Herts. C 5178

#### BOLTON AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE BOLTON ROYAL INFIRMARY (250 beds)

Dispensing Assistant required at the Bolton Royal Infirmary. Apothecaries' Hall qualification would be an advantage. Salary in accordance with the Joint Negotiating Committee Scale commencing at £270 per annum with inclusion in Superannuation Scheme. Applications, stating age, experience and full particulars, together with the names of two referees should be forwarded to the undersigned as soon as possible.

H. P. TRAVIS,  
Secretary.  
C 5207

The Bridge  
Walsall, nr. Birmingham  
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### BUSINESSES FOR DISPOSAL

**A.1. London, N.W.** Well-established business of imposing appearance and occupying main-road position. Turnover approximately £5,000 per annum. Good scope. Total price £3,200, including stock and fixtures estimated at £1,950. Offers will be considered and valuation terms can be arranged if desired.

**A.2. North Devon.** Well-established up-to-date pharmacy with good living accommodation, situated in picturesque seaside resort. Turnover for current financial year should definitely exceed £6,500. Low rental; good lease. Excellent scope for optics. Total price £5,000, including stock estimated at £1,250.

**A.3. Kent Coast (Growing Residential Suburb).** Property (held on lease) which is considered admirably adapted to the establishment of a new pharmacy; freehold residence can be purchased if required at a price of about £2,000, subject probably to a 75 per cent. mortgage; the price asked for the shop lease, fixtures, etc., is £450; further details upon application.

**A.4. Norfolk.** Unopposed village business with living accommodation. Turnover for last financial

year £2,810; net profit £421; price of business £1,500 which includes stock and fixtures estimated at £1,300; leasehold property upon which a substantial mortgage could if necessary be arranged is also for sale at a price of £2,000. The property is modern and the lease has over 20 years to run. This proposition should be of particular interest to a pharmacist desirous of purchasing an easily conducted business in a congenial country area where the net profit is the premier consideration.

**A.5. Essex (Congenial Town).** Well-established business occupying main-road position. Turnover for 1948-49 £9,205. Price £5,500, including stock estimated at £1,500; very near offers will be considered. Owner retiring.

**A.6. Greenwich (near).** Old-established business in good trading position; heavily populated middle/poor-class area to draw upon. Turnover for 1948-49 estimated at £7,100. Living accommodation sub-let at approximately £80 per annum; lease 18 years unexpired; rent £140 per annum. Price £4,000 including stock estimated at £1,500 and fixtures, etc., £750.

### OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

#### Appointments—Continued

##### BRADFORD ROYAL INFIRMARY

Assistant Pharmacist required. Salary scale £425 x £25—£525 per annum if over the age of 23. This scale will be reduced at the rate of £25 for each year below the age of 23. Assistant Dispenser required. Applicants must hold the Certificate of the Society of Apothecaries. Commencing salary £270 x £10—£320 per annum. Applications for both posts, stating age, qualifications and details of experience, should be forwarded to the Assistant Secretary at the Royal Infirmary, Bradford.

H. TRUSSON, Sec.,  
Bradford "A" Group, H.M.C.  
C 5209

##### CENTRAL MIDDLESEX HOSPITAL

##### PARK ROYAL, N.W.10

##### ASSISTANT PHARMACIST

Applications invited for Assistant pharmacist. Salary (at age 23) £425 x £25 to £525. Hospital experience taken into account in fixing commencing salary. Applications, with copies of testimonials, to Medical Director immediately. C 5127

##### LAMBETH HOSPITAL,

##### BROOK DRIVE, S.E.11.

PHARMACIST required. Whitley Council conditions and salary, according to experience, on the scale £425-£525 per annum. Applications, stating age, qualifications and experience, together with the names of two referees, to be sent to the Secretary, Lambeth Group Hospital Management Committee, Renfrew Rd., S.E.11.

C 5194

##### EDGWARE GENERAL HOSPITAL,

##### EDGWARE, MIDDLESEX

Pharmacist, non-resident, required. Salary £425 per annum x £25 to £525 per annum. The minimum of £425 to be linked to 23 years. A reduction of £25 per annum be made for each year below that age.

The post affords good experience in a general hospital.

Applications giving full particulars and closing copies of two recent testimonials to the Group Secretary.

##### HACKNEY GROUP NO. 6 HOSPITAL

##### MANAGEMENT COMMITTEE

##### HACKNEY HOSPITAL, LONDON, E.8

##### SENIOR PHARMACIST

Applications are invited for immediate appointment at the above Hospital, J.N.C. scale, subject to any subsequent amendment starting at a point commensurate with experience.

Please apply, enclosing copy testimonial statement of qualifications and salary requirements to Secretary, at the above address.

##### ROYAL NORTHERN HOSPITAL,

##### HOLLOWAY, N.7

##### NORTHERN GROUP HOSPITAL

##### MANAGEMENT COMMITTEE

STORESMAN (aged over 20) for Dispensing and to train in the manufacture of pharmaceutical preparations. Wage £5 14s. 48-week.

Apply as soon as possible, stating age and experience, to the Secretary.



# **HAMPSTEAD GENERAL HOSPITAL** (Royal Free Group), THE GREEN, HAMPSTEAD, N.W.3.

Applications are invited for the post of ASSISTANT PHARMACIST at the above hospital, vacant now. Candidates should be registered pharmacists. Salary on the new national scale, £425 x £25—£525; if holding the qualification of B.Pharm., A.R.I.C. or Ph.C., £25 a. in addition. Subject to the National Health Services Superannuation Scheme. Applications on the prescribed form to be obtained from the undersigned, to be submitted as soon as possible.

KENNETH A. F. MILES, House Governor.  
C 5180

## **SOUTH-EAST ESSEX HOSPITAL** **MANAGEMENT COMMITTEE**

Applications are invited from qualified persons for the post of Pharmacist, in charge, single handed, at St. Andrew's Hospital, Billericay, and to carry out relief duties at other hospitals required. Salary in accordance with J.N.C. scales.

The position is subject to the National Health Service (Superannuation) Regulations and the person appointed will be required to pass a medical examination.

Applications, stating age, qualifications and experience, together with the names of two referees to be forwarded to the undersigned within 14 days of the appearance of this advertisement.

G. E. WHYTE,  
Deputy Secretary,  
Thurrock Hospital,  
Stifford Long Lane,  
Grays, Essex.  
C 5169

## **WEST MIDDLESEX HOSPITAL,** **ISLEWORTH, MIDDLESEX** **SOUTH-WEST MIDDLESEX HOSPITAL** **MANAGEMENT COMMITTEE**

Applications are invited for the post of Assistant Pharmacist. Salary £425 (at age 25) x £25 to £525 per annum. Commencing salary will depend on previous experience. Also vacancy for Locum Pharmacist. Salary 10 guineas per week.

Appointments subject to the National Health Service Superannuation Scheme. Applications stating age, qualifications and experience, with copies of testimonials, to be sent to the Chief Pharmacist at the above Hospital.

C 14

## **SOUTH-WESTERN HOSPITAL** **LANDOR ROAD, S.W.9**

PHARMACIST-IN-CHARGE. Single Handed, required for the above hospital which is being expanded as an acute hospital. Salary within the scale £450-£525 per annum according to experience, subject to review. J.N.C. conditions of service. Applications, stating age, experience and present appointment, together with names of two referees, to the Secretary, Lambeth Group Hospital Management Committee, Renfrew Road, S.E.11.

C 5218

## **WELLHOUSE HOSPITAL,** **BARNET, HERTS**

FIRST ASSISTANT PHARMACIST required. Salary and conditions in accordance with the Scheme of Conditions of Service of the Joint Negotiating Committee. Applications, with necessary details, to the Medical Director of the Hospital.

C 5177

## **NATIONAL HEALTH SERVICE ACT,** **1946.**

### **SHREWSBURY HOSPITAL MANAGEMENT COMMITTEE (GROUP 15).** **ROYAL SALOP INFIRMARY.**

Applications are invited for the post of DISPENSER (Hall Certified) at the above hospital and for sessional duties at Cross Houses Hospital.

Salary will be in accordance with J.N.C. scales.

Applications should be sent to the undersigned from whom any further particulars may be obtained.

J. P. MALLETT, Secretary.  
Royal Salop Infirmary,  
Shrewsbury. 6-12-49.

C 5188

## **SOUTH-WEST DURHAM HOSPITAL** **MANAGEMENT COMMITTEE** **PHARMACIST**

Applications are invited from Registered Pharmacists for the appointment of PHARMACIST at HOLYWOOD HALL SANATORIUM, Wolsingham, Co. Durham.

Applicants will be responsible for dispensing and ordering drugs for Holywood Hall Sanatorium, and probably for other small Sanatoria in the District. The major part of the duties will, however, be devoted to routine bacteriological and bio-chemical examinations. Pharmacists interested, but not experienced in either laboratory or pathological work, will have the opportunity of a few months' training under a Pathologist.

Salary £420 rising by five annual increments of £15 to £495 per annum in accordance with the conditions of service laid down by the Joint Negotiating Committee for Pharmacists plus £50 per annum special payment for laboratory duties.

The post is subject to the provisions of the National Health Service (Superannuation) Regulations 1947/49 and will be terminable by one month's notice on either side. Non-transferable staff will be required to pass a medical examination.

Forms of application, to be obtained from the undersigned, should be forwarded to the medical Superintendent, Holywood Hall Sanatorium, together with copies of two recent testimonials.

K. G. T. LUXFORD,  
Secretary.  
C 5184

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order 1947

## **SITUATIONS OPEN**

8/6 for 36 words (min.) then 3d. per word. Box 2/-

### **RETAIL (HOME)**

4/- PER HOUR OFFERED unqualified assistant (either sex). Any hours up to 45 per week can be worked. For middle and working-class business with busy N.H.S. Within five minutes Waterloo Station, London, S.E.1. Can wait if necessary for suitable applicant. Write, in confidence, to Box C 1308.

BIRMINGHAM—SMETHWICK. Qualified and unqualified dispensing assistants, male or female, required for busy main road pharmacy. Well paid permanent posts for suitable keen applicants with experience. Full personal particulars, also references, experiences and salary required, to Carr, Chemist, West Smethwick, Birmingham. C 1218

### Situations Open—Continued

**BELGRAVIA.** Counter assistant dispenser required to assist pharmacist. Applications, giving details of experience, age, and copies of recent testimonials to be sent to Box C 1302.

**BOOTS THE CHEMISTS** have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £10 5s. to £11 5s. Metropolitan District £9 17s. 6d. to £10 17s. 6d. Provinces £9 10s. to £10 10s. (Female Central London £9 15s. to £10 15s. Metropolitan District £9 7s. 6d. to £10 7s. 6d.) Provinces £9 to £10, according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurance, etc. There are also a number of vacancies for unqualified assistants with sound pharmaceutical experience. Good remuneration with a view to permanency. Pension scheme, etc. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience, and district preferred. C 1

**CARDIFF.** R. W. Duck & Son, Ltd., require the services of a qualified manager for their shop at 15 Merthyr Rd., Whitchurch. Apply: The Manager, St. John Square. C 1287

**CHOICE OF SUITABLE** accommodation if required on appointment. Qualified persons, male and female, are required to manage attractive pharmacies in south-east and south-west districts of London. Positions are available offering salary from £550 to £650 per annum, plus generous commission. Engagements are permanent and progressive and include entry into superannuation scheme. Apply, giving full particulars to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis St., Woolwich, S.E.18. C 5161

**DISPENSERS** with considerable experience of South-West and North London. Apply Box C 5163.

**FINCHLEY DISTRICT.** Unqualified assistant with dispensing experience; substantial and developing pharmacy; good salary plus participation in bonus scheme. Excellent opportunity for keen, energetic applicant. Living accommodation not available. All replies treated in strict confidence. Box C 5185

**LADY PHARMACIST** required for permanent relief duties. Salary above average. Accommodation available. Apply Box C 1311.

**LEICESTER.** Experienced qualified male assistant for high-class city dispensing business. No accommodation available. 5½-day week. Good salary; progressive and permanent position. Please give age, particulars of experience, and present salary. Box C 1290.

**LONDON.** Unqualified assistant wanted (lady or gentleman) dispensing experience essential. Good wages. No Sunday or holiday duty. Please apply, stating age, experience and salary required, to Box C 1261.

**LUTON INDUSTRIAL CO-OPERATIVE SOCIETY, Ltd.,** requires the services of a qualified pharmacist, lady or gentleman. Prospects of early branch managership. Society membership 43,000. Apply, in writing, giving full particulars and salary required to the General Manager, Luton Industrial Co-operative Society, Ltd., 4 New Bedford Rd., Luton. C 1299

**NORTH LONDON.** Unqualified assistant required for dispensing and counter. Please state particulars and salary to J. H. P. Bolton, Ltd., The Green, Winchmore Hill. C 1217

**NORTHERN IRELAND.** Exceptional managerial opportunity is open to a qualified chemist with high-class retail experience and possessing initiative and energy. Salary £528 x £48=£728. per annum. Applications, giving fullest particulars in confidence, should be addressed to Box C 1303.

**PHARMACIST.** Experienced manager for Central London branch. Living accommodation if required. Excellent prospects. Apply Box C 5162.

**PHARMACIST** with managerial experience required to manage busy branch shop in residential area. Good class counter trade and moderate N.I. Salary and emoluments £650 p.a. to suitable applicant with adequate experience. Apply Superintendent Chemist, Leeds Industrial Co-operative Society, Ltd., Pharmacy Department, 6 Albion Leeds, 1. C

**QUALIFIED BRANCH MANAGER** required to manage new pharmacy in busy S.W.16 district. Main position, close to station. Good quality business anticipated, adequate supporting staff, wages commission. House is now available for successful applicant. Apply to Superintendent Chemist, S.S.C.S., Ltd., 298 Streatham High Rd., S.W. C

**QUALIFIED CHEMISTS** required by firm of standing. Good wages. Permanency. Apply to Turner & Sons (Cambridge), Ltd., 36 Trinity Cambridge. Phone Cambridge 3425/6. Box C

**QUALIFIED LADY ASSISTANT** required for busy class pharmacy. Private dispensing only. Congenial post. No duties. One lady assistant kept. Apply, giving details age, etc., to Trembath, Barnstaple, Devon. C

**UNQUALIFIED, EXPERIENCED** young lady required for clerical duties in chemist's office. Must be able to figure. Permanency. London. Apply to "B" c/o Box C 5159.

**WELL-EDUCATED COUNTERMAN** for Midland city pharmacy, outdoors. Progressive salary, permanency. Particulars of previous experience to Box C 1289.

**YORKSHIRE.** Manager required for busy North city pharmacy. Newly equipped flat available. Salary £12 per week plus generous annual bonus. Apply, giving full particulars, to the Staff Manager, required: lady pharmacist for relief duties; permanent. These vacancies would be ideal for a young and efficient pharmacist with wife also qualified. Apply Box C 1310.

### LOCUMS WANTED

**QUALIFIED LOCUM** required January for 6 months, for Central Pharmacy. Duties in dispensing under B.Pharm. Apply per post, stating terms, to Superintendent Chemist, Devonian's Ind. Soc., Ltd., 41 Northgate, Devon. C

### RETAIL (OVERSEAS)

**CHEMISTS** and druggists (English Country only). Age preferably not over 36. Salary £750 per annum, rising by annual increments of £50 to £900 in 4th year, and the in accordance with position and responsibility held. Excellent prospects. These appointments in West Africa and tours are of 21 months leave on full pay. Family allowances, free passages, furnished quarters, medical attendance in Africa, and membership of pension fund. In writing, giving particulars to The Africa Company Limited, Coast Staff Department (Chemist), Unilever House, Blackfriars, London. E.C.4.

**PHARMACIST** urgently required by large international organisation for service in the Middle East, hospitals and staff of British M.O.s. and Considerable dispensing for hospital and out-clinics. Applicants must hold M.P.S. at least under 35 years of age. Attractive salary plus generous allowance in local currency, free passage and home, free medical attention, kit allowance, good leave arrangements, pension scheme, etc. giving personal particulars and full details of qualifications and experience, quoting Dept. F Box 2364, at 191 Gresham House, E.C.2.



### Situations Open—Continued

**AFRICAN PHARMACIST**, single man, required for office of four years each, by company with office in Nairobi and branches throughout Africa. Salary scale £630 x £30 annually to £850 annually to £920, plus cost-of-living allowance, at present £120 per annum. Two weeks' local leave and three clear months' home leave on full basic salary at end of each tour. Payment both ways. Contract renewable by agreement at end of each tour. Write Box C 519.

**AFRICA**. Office manager required, must have knowledge of retail pharmacy and office management. Permanency for right man. Contract. Must be used to dealing with correspondence and using own initiative. Applicant need not necessarily be a qualified chemist. Apply Box C 519.

**AFRICAN RHODESIA**. Qualified chemist required for high-class business. Single, not older than 35 years. Four-year contract. Salary according to experience. Apply in first instance to Box C 519.

### WHOLESALE

**ADVERTISING AND PUBLICITY**. A well-established London firm of manufacturing chemists requires an assistant in its advertising department. Position is an interesting and progressive one, offers good prospects. Special consideration given to a man having practical knowledge of mechanical and technical side of advertising, knowledge of printing, and some experience in advertising would be an advantage. Apply in confidence giving full particulars including salary required to Box C 5186.

**ADVERTISING MANAGER** required by manufacturers, small but of international repute in special field. Professional background and experience in advertising ethical pharmaceuticals, or veterinary products essential. Attractive offer to right man. Box C 11.

**ANALYTICAL CHEMIST** required for work involving use of instrumental technique, especially spectrography. Duties will include the development of analytical methods and their application to routine work. Candidates should possess 1st or 2nd honours degree in chemistry or A.R.I.C., preferably possess some experience in this type of work. Commencing salary according to age, qualifications and experience, but not less than £500 per annum. Box C 5190.

**ANT HOSPITAL PHARMACIST** required by Gulf Oil Company. At least two years' experience, preferably civilian, including modern pharmaceutical techniques. Must be B.Ph., Ph.C., or equivalent. Starting salary £710 p.a., tax free. Free room and accommodation. Write, giving brief details of age and experience, quoting K.1053 to "P.T." c/o J. W. Vickers & Co., Ltd., 10, Great Winchester Street, London, E.C.2. Box C 5206.

**AST** with first-class practical experience in manufacture of veterinary products, required next by old-established company in Midlands. Applications, which will be treated in strict confidence, should be addressed in the first instance to Box C 1298.

**AST REQUIRED** by Newcastle-on-Tyne firm of wholesale chemists to handle dangerous drugs in manufacture. Replies, stating experience, etc., to Box C 5214.

**AST REQUIRED** by old-established London pharmaceutical chemists. Experience of manufacturing synthetic biologicals preferred. Able to work in analytical laboratory and preparation of medicinal products. Send particulars, qualifications, experience, salary, etc., in confidence, to Box C 5199.

### APPLICATIONS INVITED FOR THE POSITION OF REPRESENTATIVE IN THE MANCHESTER AREA.

Send Details to Sales Director :

**RICHARD DANIEL & SON LTD., DERBY**  
C 5191

**EXPERIENCED REPRESENTATIVE** required for the London area by old-established London drug house. Permanent, progressive appointment. Salary, expenses and commission. Apply, giving full particulars as to past experience, Box C 5197.

**FIRST-CLASS MEDICAL** representatives required by ethical concern manufacturing range of pharmaceuticals to cover two areas (1) London South of Thames, and Suburbs; (2) Derby, Notts and Leicester. Only men who can prove records of continuous successful service to date, established connection with doctors and chemists, should apply for these permanent progressive positions with remuneration representing £900-£1,000 p.a. Comprehensive details must be given, in confidence. Our representative staff know of this advertisement. Box C 5215.

**FOREMAN** required for pharmaceutical warehouse of chemical manufacturers in Manchester. Full particulars, experience, salary required, to Box C 1286.

**HOSPITALS REPRESENTATIVES** with experience of calling on hospital pharmacists required by ethical firm of manufacturing chemists. Reply fully (in confidence) to Box C 5221.

**LONDON PHARMACEUTICAL HOUSE** has vacancies for medical/trade representatives for South-western Counties, South Wales and the Midlands, residing in or near Bristol, Cardiff and Nottingham. Pharmaceutical experience an advantage but not essential. Progressive salary and full expenses. Pension. Write in first instance to Box C 5.

**MANUFACTURING CHEMISTS, N.W. London**, have a vacancy in their pill factory for an assistant with previous experience. 5-day week. Write, stating age, details of experience and salary required, to Box C 5204.

**MANUFACTURING CHEMISTS, North-West**, require a works chemist fully experienced in the preparation of galenicals and toilet preparations and the manufacture of tablets, etc. Reply stating qualifications, experience, age and salary required. Box C 1305.

**MEDICAL REPRESENTATIVE** for propaganda and sales to doctors, retail/manufacturing chemists, hospitals, required by manufacturers of ethical products for Yorkshire. Car an advantage, must reside in territory. Full particulars of age, experience, salary required (in confidence) to Box C 5220.

**MEDICAL REPRESENTATIVES** are required by Sandoz Products, Ltd., for areas covering (a) West Riding of Yorkshire; (b) Birmingham and surrounding area; (c) London (N.W. Metropolitan area). Should be qualified pharmacist or possess degree in science. Age not exceeding 28. Salary and expenses commensurate with experience. Please send full details of age, experience, qualifications, with photograph, to the Manager, Pharmaceutical Department, Sandoz Products, Ltd., 134 Wigmore St., London, W.1. C 5196

**PHARMACIST**. Representative for London wholesale house distributing ethical proprietaries and surgical sundries to chemists only. Mainly for London and Home Counties with occasional visits to provincial centres. Commencing salary £700 with annual increments of £50 to £850. Car allowance to owner-driver but this is not essential. Please state age, details of experience and when at liberty. Box C 1306.

**Situations Open—Continued**

**PHARMACISTS REQUIRED** to undertake manufacturing and control work, and stock control. Staff pension scheme. Salary according to qualifications and experience. District W. London. Apply Box C 5212.

**PRODUCTION CHEMIST** required for West London manufacturing house. Previous experience in medium scale galenical work and assaying desirable. Please give full details and salary required. Box C 18.

**REPRESENTATIVE** for territory including S. W. London, Kent, Surrey, Sussex, Hampshire, experience in chemist lines, car owner, required by well known London house. Excellent prospects assured for progressive and conscientious man. Good salary, expenses and commission. Give full details including age. Applications in strict confidence to the Managing Director. Box C 5147.

**REPRESENTATIVE REQUIRED** for old-established pharmaceutical toilet house for Essex, North and East London, domiciled on territory. Salary, commission and expenses. Write, giving short resumé and age. Box C 5200.

**REPRESENTATIVE REQUIRED** with good connection with chemists and grocery trades in London and Home Counties for non-combine toilet soap manufacturers. Part expenses and commission paid. Box C 5205.

**REPRESENTATIVES REQUIRED** calling on retail chemists in Midlands and Southern Counties to sell, on commission, product of an old-established firm, manufactured under licence by the M.O.F. Reply, giving details as to towns and areas covered, to Box C 5216.

**REQUIRED, TRAVELLER** calling on hairdressers, chemists, mfg. chemists, soap and cosmetic manufacturers, to carry varied selection of perfume compositions and aromatic specialities. Liberal commission. Apply Box C 1246.

**SENIOR ASSISTANT CHEMIST.** Manufacturing chemists, with proprietary and other interests, wish to appoint senior assistant chemist, who must be a graduate in chemistry or an A.R.I.C., with a qualification and experience in pharmacy. Duties will include supervision of the work of the Analytical Control and Research Laboratories. Send full details of age, qualifications, experience, and salary required, to Managing Director, Box C 5213.

**TABLET MAKER.** Experienced in single and multiple machine processes, granulation of pharmaceuticals, required by London manufacturing chemists. Write, stating age, experience and salary required, to Box C 5202.

**TABLETS.** Young man required for small department, should have some experience of all types of coating and maintenance of machines. London area. Applicants must give full details of experience and wages required. Excellent opportunity for advancement. Box C 1295.

**TRAVELLER REQUIRED** calling on hairdressers, chemists, mfg. chemists, soap and cosmetic manufacturers, in Scotland, also N. and S. Wales, to carry varied selection of perfume compositions and aromatic specialities. Liberal commission. Apply Box C 1304.

**WANTED,** energetic junior, local traveller for Notts district. Experience of, and connection with the chemist trade for proprietaries and sundries. Box C 5208.

**YOUNG, ENERGETIC COATER** required by London manufacturing chemists; knowledge of coloured work essential. Apply, giving age, experience and salary required, in first instance, to Box C 5203.

**SITUATIONS WANTED**

3/- for 18 words (min.) then 2d. per word. Box

**RETAIL (HOME)**

**EXPERIENCED DISPENSING ASSISTANT** (unqualified) seeks post in Portsmouth or Month's notice required. Box C 1265.

**GENTLEMAN** (38), unqualified, tall, of good dress, desires permanency in high-class business. Central London. 20 years' similar experience. Box C 1296.

**UNQUALIFIED LADY** accustomed to buying selling all toilet and chemists' sundries, contr staff. West-End experience. Would prefer or West-End. Box C 1309.

**WHOLESALE**

**BUYER/MANAGER,** drugs, perfumery department. Spiers & Ponds closing down. 30 years in trade, 10 years as above. Could influence profitable wholesale trade. Excellent references, or proposition. Free shortly. C 1300.

**EXPERIENCED** medical representative, in Yorks, seeks change. Excellent contacts in medical and pharmaceutical spheres. Min salary £450. Would consider pharmaceutical only. Box C 1297.

**REPRESENTATIVE** calling on chemists and sale in Northern Ireland carrying veterinary ducts, willing and able to carry additional class line. Box C 1312.

**REPRESENTATIVE** desires change. East M area preferred. Proprietary house where education, car and valuable connection among chemists and stores considered an asset. Expenses and commission desired. Box C 1292.

**AGENCIES**

17/6 for 36 words (min.) then 4d. per word. B

**MANUFACTURERS** of low-priced nationally advertised cosmetic, have a few vacancies for scientific commission agents, who have established connections with chemists, hairdressers, departmental stores. High rate of commission paid. Write, giving details of experience covered, etc., to Box 994, c/o George N (Advertising), Ltd., 184 Strand, London.

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**DUBLIN AGENT,** with first-class connections queries good repeat line. Only well-known considered. Box C 1252.

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**ESTABLISHED LONDON COMPANY** of strong financial standing, manufacturers of well-known proprietary line with large factory, would be pleased to negotiate with a view to amalgamation would be prepared to supply substantial for development. Box C 5189.

**HERBAL CIGARETTES.** We will manufacture Herbal Cigarettes. Prompt quotations for quantity from 10,000 up. Manufactured from own formula, or we will be pleased to use our own samples. Packed in bulk, 20's or Plain or printed. Tip-Tone (Robe) Products 1391 London Road, Leigh-on-Sea, Essex.



**MANUFACTURING CHEMISTS** have facilities and available for the manufacture and/or packing of domestic, industrial or toilet products. Bottle, jar and tube filling. Frank Macowal, Ltd., 11, Uppborough St., S.E.11. Reliance 3435. C 3

**NOT LET US** make your showcards exclusive. Photographic showcards the ideal medium for all quantities. Colour, black and white, made to any size. Let us quote you. 36 King Street, W.C.2. Temple Bar C 1281

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**ARTISERS** will make cash offers by return for parcels of stearic acid, lanoline and stearine. and particulars to Box C 1238.

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**GROSS GLASS TUBES** 60/62 mm. long x 2 mm., 2/- per gross. 2,000 gross glass tubes rubber slip-in caps, 4/- per gross complete. Text works. Box C 5158.

**ASES** x 200 tins each containing 250 5 grain thio sterilising tablets 12/6 per case (1d. a complete). 500,000 plain grey skillets, size 2 1/2" x 1 1/2", 2/6 per gross with gummed for sealing. 500,000 waxed satchel bags 5 1/2" x 3 1/2" per 1,000. Samples on demand. Special quantities. Thomas Horton, 17, Tydfil. C 1291

**E-WASHING MACHINE** for sale. Dawson's. Steam heated, complete with pre-soaker, pumps, pump filters and spares, to take any size up to 11 in. high. Cost £467, only used months. Offer invited. Rapidol, Ltd., 22 Margaret's Rd., London, W.7. Ealing 2836. C 8

**SECONDHAND** hydraulic tincture press, one fixed and one moving platform, size 9 in. square; four 2 1/2 in. diameter columns; ram; 2 ft. stroke; suitable for working press 750 lb. 12 tons pressure. Complete with pump. Price £100 nett. Box C 1224.

**FACTURERS** of glass atomisers and rubber to dispose of on re-sale terms should contact C 1292.

**CHARIN TABLETS**, five-fifty .02 gr. packed in envelopes boxed in 1 gross boxes 5 gr. at 58/- p. Post paid. Cheque with order. Special prices for larger quantities. Kale Bros., 23 Alda's Rd., London, N.16. C 5173

**CHARIN TABLETS**. Standard 0.2 gr., 550 in boxes of 100 tablets in 1 gross boxes. 1 to 5 56/-; 6 to 10 gross, 55/- . Special price for lots. C.O.D. or C.W.O. H. N. Wells, 184 Lane South, Ilford, Essex. C 1301

**HARD SACCHARIN TABLETS**. 0.2 gr. 550, envelopes of 100 tablets, boxed in 1 gross lots, 56 gross at 58/- p. gross. Quotations for larger quantities by return. Tell Products, Ltd., 22-24 Mont Rd., N.W.3. C 6

**US** to requirements, 1 1/2 tons English tartaric granular. 50 gross 4-oz. ribbed ovals, with caps. What offers? Box C 1294.

**US TUBES**. 1,000 gross trident shell tubes; diameters 12 mm. internal, 13 mm. external; 43 mm. length. Corks to fit. Offers to H. Box C 5201.

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Office numbers are intended exclusively for specific answers to particular advertisements and Price Lists, Trade Circulars, Samples and other Matter cannot be forwarded.

## PREMISES FOR SALE

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**A DOUBLE-FRONTED SHOP** in the most prominent position of Cricklewood Broadway, adjoining several multiple stores. Suitable for an up-to-date chemist. For further particulars apply Box 996, c/o George Murray (Advertising) Ltd., 184 Strand, W.C.2. C 5219

**FOR SALE**. Freehold factory (about 2,500 sq. ft.), W.3 district, with dwelling-house attached. On two floors. First-class condition. Price, including bins, benches, etc., £7,000. Vacant possession on completion. Some plant also available if required. Box C 1288.

## TRADE MARKS

The following registered **TRADE MARKS** were assigned on the 29th August, 1949, by Roussel Laboratories, Ltd., of 95 Great Portland St., London, W.1, to Les Laboratoires Francais de Chimiotherapie Societe Anonyme of 89 Rue du Cherche-Midi, Paris 6e, France, without the goodwill of the business in which they were then in use.

583621 Rubiazol } Chemical substances prepared for use in medicine and pharmacy.  
585023 Gynœstryl }  
585024 Sedo-Gynœstryl }  
585022 Benzo-Gynœstryl } Benzoic esters of œstradiol being chemical substances prepared for use in medicine and pharmacy.

601139 Steranbryl } Pharmaceutical, veterinary and sanitary substances.

608552 Lutogyl }  
608554 Syncortyl } Pharmaceutical products.

640453 Vertolan }  
611210 Colrubiazol } Pharmaceutical, veterinary and sanitary substances, and disinfectants.

640448 Glosso-Sterandryl } Pharmaceutical preparations for sublingual administration.

640454 Sterogyl 15 } Pharmaceutical products for human use.

640455 Rubiaderm } Pharmaceutical products for the skin.

672062 Ethin-œstryl } Pharmaceutical preparations and substances containing hormone derivatives.

673628 Lutogynœstryl } Pharmaceutical preparations and substances containing hormones, for women. C 1293

## PUBLIC NOTICES

18/- per half-inch (min.) and pro rata. Box 2/-

**BY RADIESTHESIA**, quantitative determinations of chemical or bacterial constituents: The London D-M Research Group invites readers to its fourth Season's Lectures at 11 Chandos Street, W.1; or offers to post abstracts. Hon. Sec., Moulsham Mill House, Chelmsford. C 5187

# *Apologies*

SO that our good friends the Wholesalers are not blamed for delays that are beyond their control, we would like to make it clear that the gap in deliveries of the

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We have allocated the available supplies fairly and in rotation and we can now do no more than tender to you all our sincere apologies for being, in fact, much more successful than we had foreseen.



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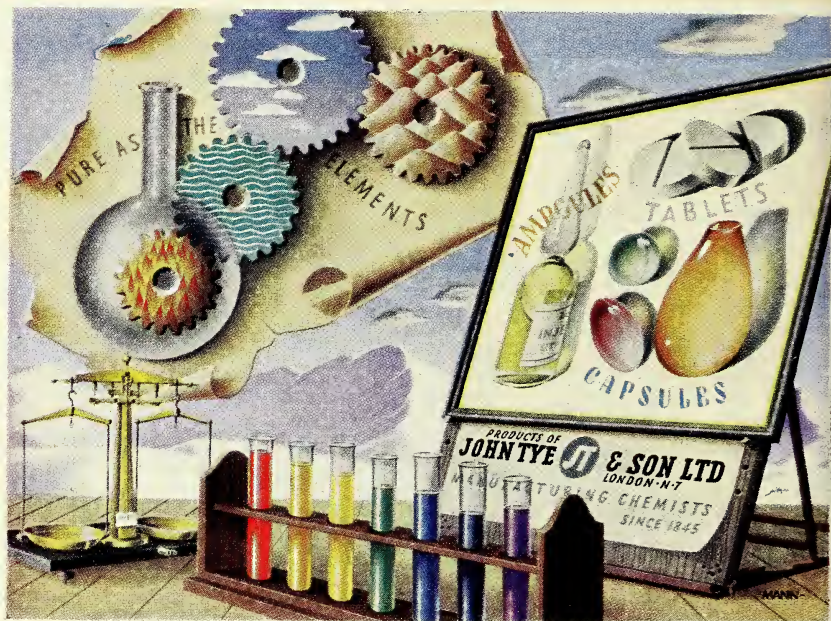
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DECEMBER 17, 1949



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